STUDER D941 Mixing Console

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. L		



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1.990.499.00	Source Selector Switch Board	Į.

SCHEMATA / CIRCUIT DIAGRAMS

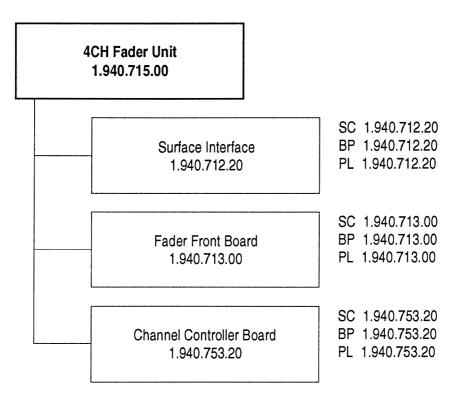
Fader Panel Units

4CH Fader Unit	1.940.715.00
Surface Interface	1.940.712.00
Fader Front Board	1.940.713.00
Channel Controller Reard	1 040 753 20

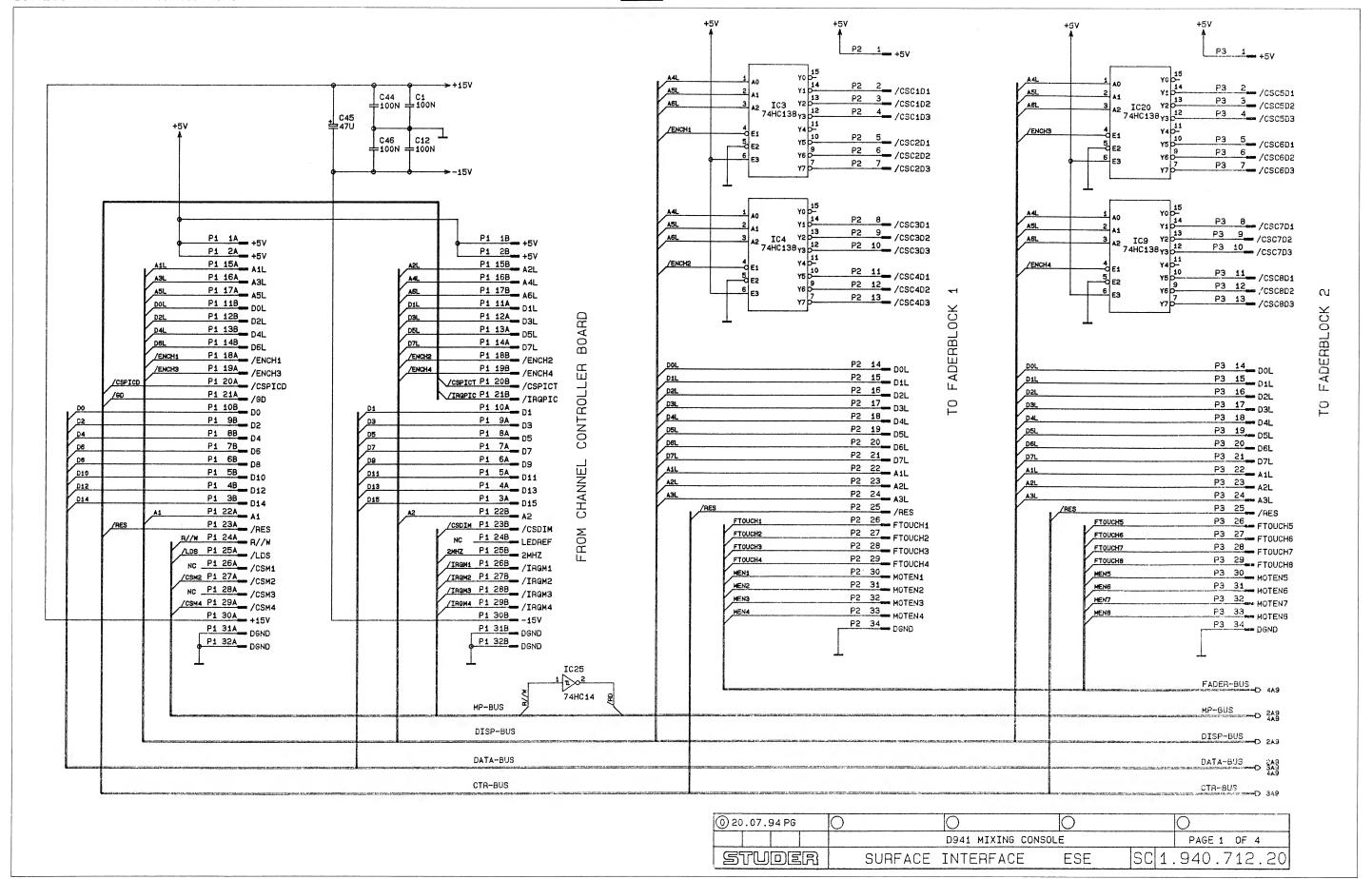
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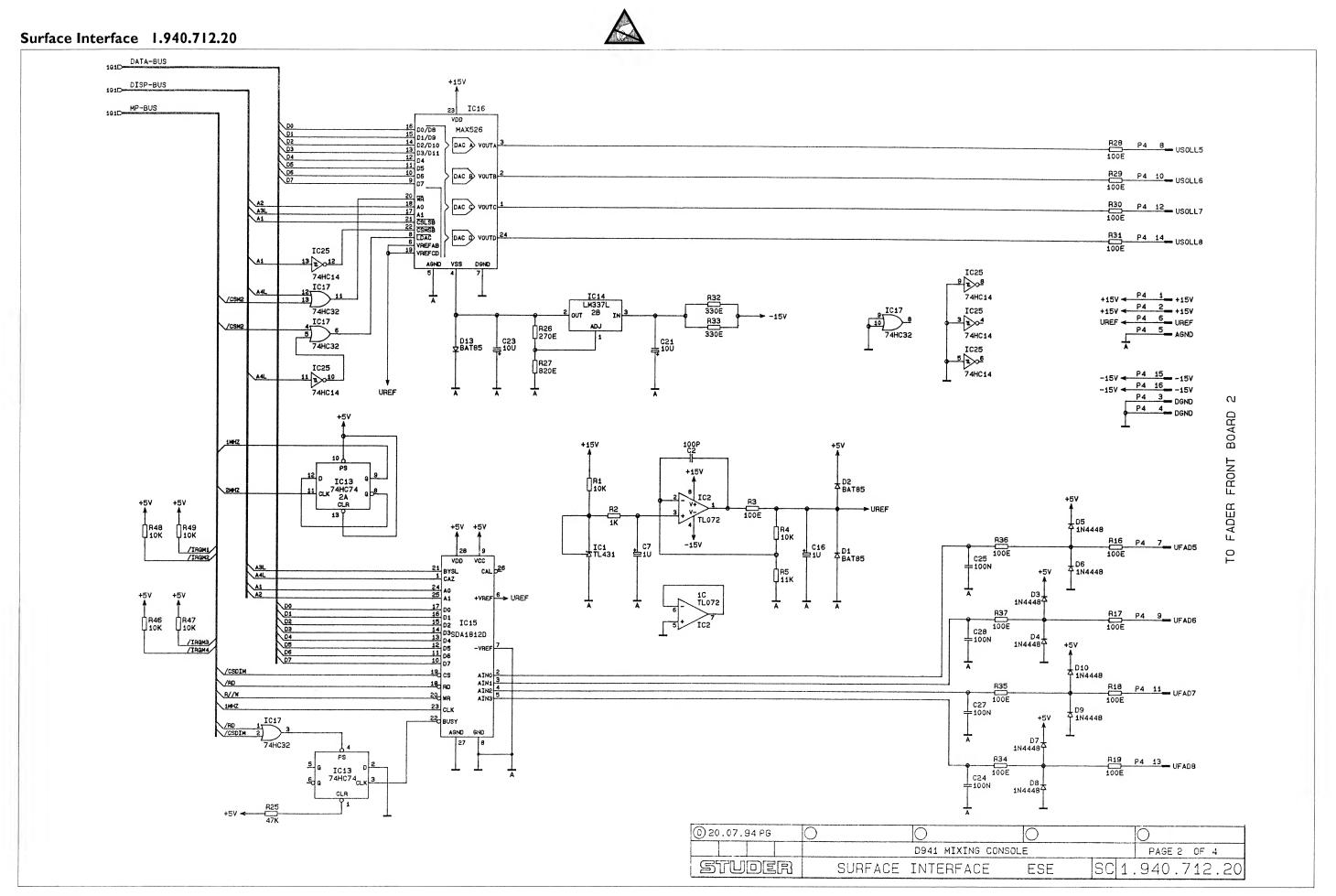
4CH Fader Unit

1.940.715.00

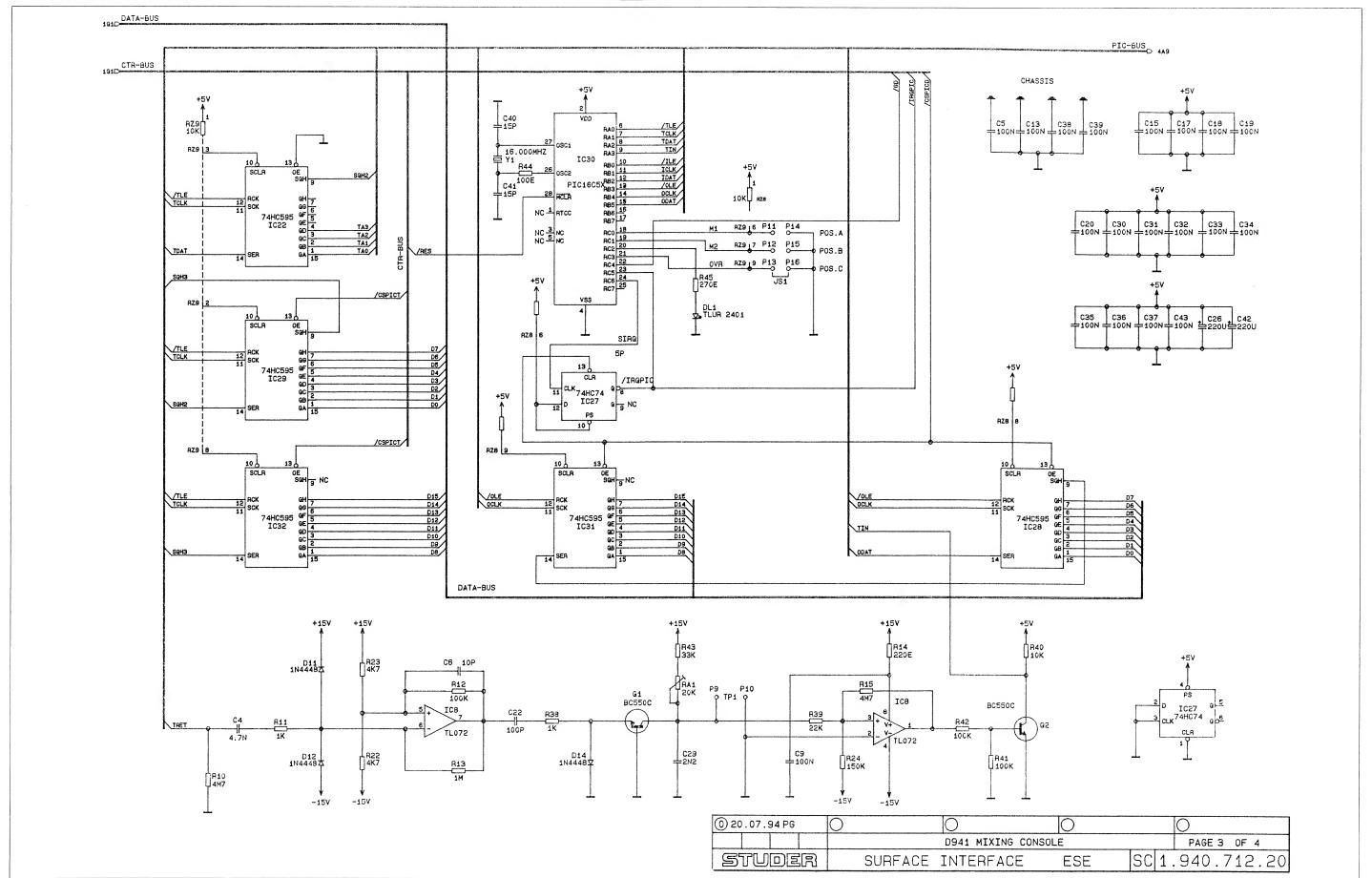








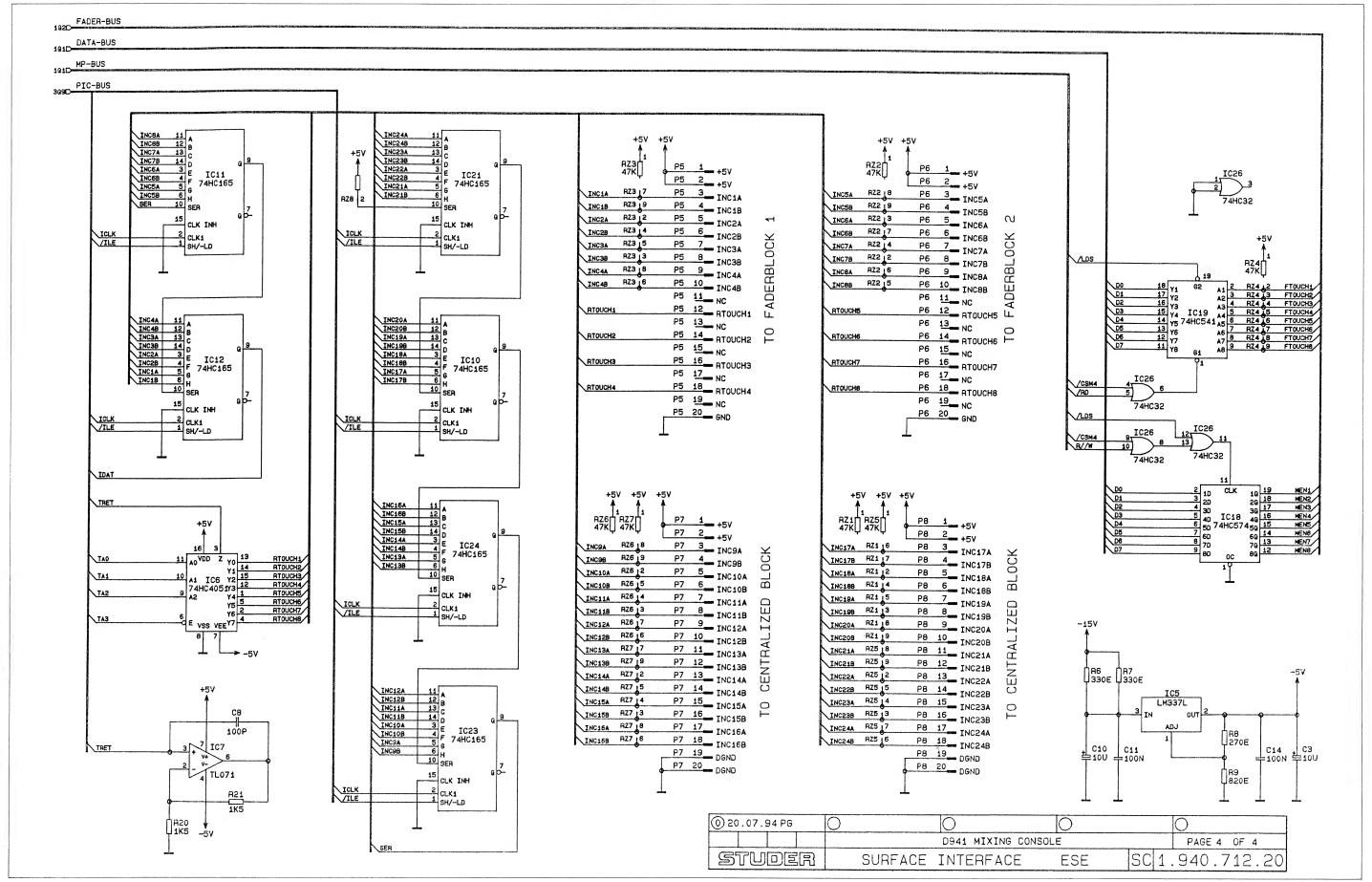


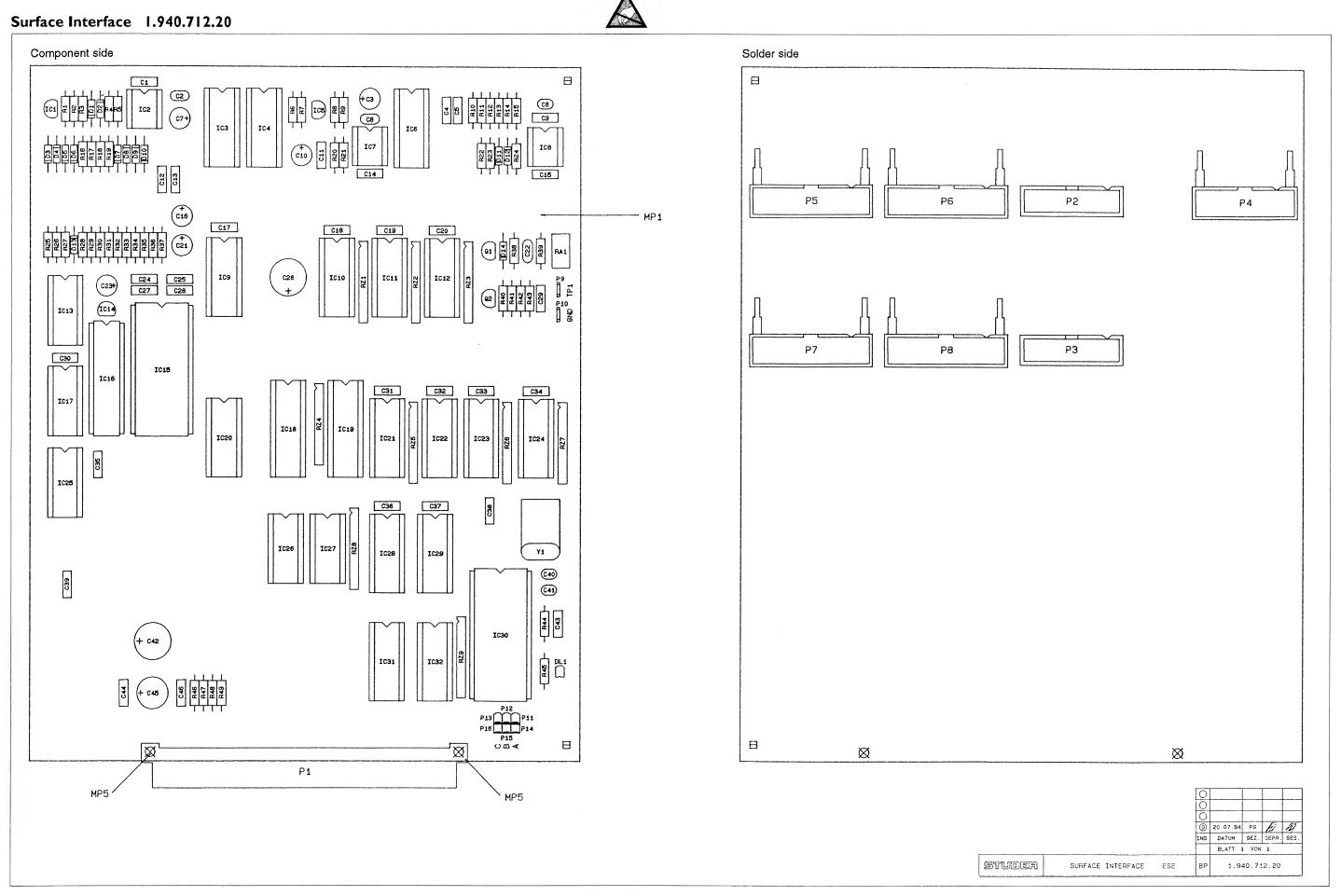


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Surface Interface 1.940.712.20



ldx. Po	os.	Part No.	Qty.	Type/Val.	Description	ldx.	Pos.	Part No. Qty.	Type/Val.	Description
0 C	1	59.06.0104		100n	PETP, 10%, 63V	0	IC 21	50.17.1165	74HC165	IC 74 HC 165 ., ,A
0 C2	2	59.34 4101		100p	CER 63V, 5%, N750	0	IC 22	50.17.1595	74HC595	IC 74 HC 595 ., ,A
0 C3	3	59.22.6100)	10u	EL 35V, 20%, rad RM5	0	IC 23	50.17.1165	74HC165	IC 74 HC 165 ., ,A
0 C4	4	59 05 0472	2	4n7	PETP, 10%, 63V	0	IC 24	50.17.1165	74HC165	IC 74 HC 165 ., ,A
0 C		59.06.0104		100n	PETP, 10%, 63V	0	IC 25	50 17.1014	74HC14	IC 74 HC 14 ., ,A
0 C 6		59.34.1100		10p	CER 63V, 5%, NP 0	0	IC 26	50 17 1032	74HC32	IC 74 HC 32 ., ,A
0 C		59.22 8109		1u	EL 50V, 20%, rad RM5	0	IC 27	50.17.1074	74HC7 4	IC 74 HC 74 ., ,A
0 C8		59.34,4101		100p	CER 63V, 5%, N750	0	IC 28	50 17,1595	74HC595	IC 74 HC 595 ., ,A
0 C	9	59.06.0104	1	100n	PETP, 10%, 63V	0	IC 29	50.17 1595	74HC595	IC 74 HC 595 ., .A
0 C.	10	59.22 6100)	10u	EL 35V, 20%, rad RM5	0	IC 30	50 16 0301		 IC PIC 16 C 57-HS/P ,A
0 C	11	59.06.0104	Į.	100n	PETP, 10%, 63V				PIC	16 C 57-HS/P SW940712 (1.940 930 20
0 C	12	59.06.0104	1	100n	PETP, 10%, 63V	0	IC 31	50.17.1595	74HC595	IC 74 HC 595 , ,A
0 C.	13	59.06.0104	ļ.	100n	PETP, 10%, 63V	0	IC 32	50.17.1595	74HC595	IC 74 HC 595 ,A
0 C	14	59.06.0104	ļ.	100n	PETP, 10%, 63V					
0 C	15	59.06.0104	ļ.	100n	PETP, 10%, 63V	0	JS 1	54.01.0021	Jumper	0.63 * 0.63mm
0 C	16	59.22.8109	3	1u	EL 50V, 20%, rad RM5					
0 C.	17	59.06 0104	1	100n	PETP, 10%, 63V	0	MP 1	1,940 712.11 1 pce		SURFACE INTERFACE PCB //\
0 C	18	59.06.0104	ı	100n	PETP, 10%, 63V	0	MP 2	1.940.712 04 1 pce		NR -ETIKETTE 5 * 20
0 C	19	59.06.0104	1	100n	PETP, 10%, 63V	0	MP 3	43.01.0108.1 pce	Label	ESE-WARNSCHILD
0 C2	20	59.06.0104	Į.	100n	PETP, 10%, 63V	0	MP 4	1,101,001,20,1 pce	Label	TEXT-ETIK. 5*20 HARDWARE -20
0 C2	21	59.22.6100)	10u	EL 35V, 20%, rad RM5	0	MP 5	28 99.0119 2 pce		ROHRNIETE D 2.5*0.15* 9
0 C2	22	59.34.2101		100p	CER 63V, 5%, N150	0	MP 6	65.99.0167 10 mm	Tape	POLYURH, KLEBBAND WS, 9* 3
0 C2	23	59.22.6100)	10u	EL 35V, 20%, rad RM5				•	
0 C:		59.06.0104	1	100n	PETP, 10%, 63V	0	P 1	54.11.2004	64-P	P EU-B 2 * 32
0 C		59.06.0104		100n	PETP, 10%, 63V	0	P 2	54.16.0534	34p	P 1/40", 34 P, AU, PRINT
0 C:		59.22.4221		220u	EL 16V, 20%, rad RM5	0	P 3	54.16.0534	34p	P 1/40", 34 P, AU, PRINT
0 C		59.06.0104		100n	PETP, 10%, 63V	0	P 4	54.14.2102	16p	P STECKER 16 P,AU,VR,GERADE
0 C:		59.06.0104		100n	PETP, 10%, 63V	0	P 5	54.14.2103	20p	P STECKER 20 P,AU,VR,GERADE
0 0		59.06 0222		2n2	PETP, 10%, 63V	0	P 6	54.14.2103	20p	
0 0:		59.06.0104		100n	PETP, 10%, 63V	0	P 7	54.14.2103	20p	P STECKER 20 P,AU,VR,GERADE P STECKER 20 P,AU,VR,GERADE
0 C		59.06.0104		100n	PETP, 10%, 63V	0	P 8		•	
0 0:		59.06.0104		100n	PETP, 10%, 63V			54.14.2103	20p	P STECKER 20 P,AU,VR,GERADE
		59.06.0104		100n	PETP, 10%, 63V	0	P 9	54 02.0320	1p	Flatpin, 2.8*0.8mm
				100n		0	P 10	54.02.0320	1p	Flatpin, 2.8*0.8mm
0 0:		59,06 0104			PETP, 10%, 63V	0	P 11	54.01.0020	1-P	P STIFT .63*.63, H=5.8/3.4
0 C:		59.06.0104		100n	PETP, 10%, 63V	0	P 12	54.01.0020	1-P	P STIFT .63*.63, H=5.8/3.4
0 C		59.06 0104		100n	PETP, 10%, 63V	0	P 13	54.01.0020	1-P	P STIFT .63*.63, H=5.8/3.4
0 C:		59.06,0104		100n	PETP, 10%, 63V	0	P 14	54 01.0020	1-P	P STIFT .63*.63, H=5.8/3.4
0 C		59.06.0104		100n	PETP, 10%, 63V	0	P 15	54.01.0020	1-P	P STIFT 63*63, H=5 8/3 4
0 C:		59.06 0104		100n	PETP, 10%, 63V	0	P 16	54.01.0020	1-P	P STIFT .63*.63, H=5.8/3.4
0 C		59.34.1150		15p	CER 63V, 5%, NP 0					
0 C		59,34,1150		15p	CER 63V. 5%, NP 0	0	Q 1	50.03.0407	BC550C	BC 550 C
0 C		59.22 4221		220u	EL 16V, 20%, rad RM5	0	Q 2	50.03.0407	BC550C	BC 550 C
0 C		59 06 0104		100n	PETP, 10%, 63V					
0 C		59 06.0104		100n	PETP, 10%, 63V	0	R 1	57,11.3103	10k	MF, 1%, 0207
0 C		59 22.8470		47u	EL 63V, 20%, rad RM5	0	R 2	57.11.3102	1k0	MF, 1%, 0207
0 C	46	59.06.0104	1	100n	PETP, 10%, 63V	0	R 3	57.11.3101	100R	MF, 1%, 0207
0 D	1	50 04 0127	7	BAT85	D BAT 85	0	R 4	57.11.3103	10k	MF, 1%, 0207
0 D:	2	50.04.0127	7	BAT85	D BAT 85	0	R 5	57.11.3113	11k	MF, 1%, 0207
0 D:	3	50.04.0125	5	1N4448	75V, 150mA, 4ns, DO-35	0	R 6	57.11.3331	330R	MF, 1%, 0207
0 D	4	50 04:0125	5	1N4448	75V, 150mA, 4ns, DO-35	0	R 7	57.11.3331	330R	MF, 1%, 0207
0 D:	5	50.04.0125	5	1N4448	75V, 150mA, 4ns, DO-35	0	R 8	57.11.3271	270R	MF, 1%, 0207
0 D	6	50.04.012	5	1N4448	75V, 150mA, 4ns, DO-35	0	R 9	57.11 3821	820R	MF, 1%, 0207
0 D	7	50.04.0125	5	1N4448	75V, 150mA, 4ns, DO-35	0	R 10	57.11.5475	4M7	MF, 5%, 0207
0 D	8	50.04.0125	5	1N4448	75V, 150mA, 4ns, DO-35	0	R 11	57 11 3102	1k0	MF, 1%, 0207
0 D	9	50.04.012	5	1N4448	75V, 150mA, 4ns, DO-35	0	R 12	57 11.3104	100k	MF, 1%, 0207
0 D	10	50.04.0125	5	1N4448	75V, 150mA, 4ns, DO-35	0	R 13	57.11.3105	1M0	MF, 1%, 0207
0 D		50.04.0125	5	1N4448	75V, 150mA, 4ns, DO-35	0	R 14	57.11.3221	220R	MF, 1%, 0207
0 D		50.04.0125		1N4448	75V, 150mA, 4ns, DO-35	0	R 15	57:11 5475	4M7	MF, 5%, 0207
0 D		50.04.0127		BAT85	D BAT 85	0	R 16	57.11.3101	100R	MF, 1%, 0207
0 D		50.04.0125		1N4448	75V, 150mA, 4ns, DO-35	0	R 17	57.11.3101	100R	MF, 1%, 0207
						0	R 18	57.11 3101	100R	MF, 1%, 0207
0 DL	1 1	50.04.212	1	TLUR 2401	DL TLUR 2401 RT MATT	0	R 19	57.11.3101	100R	MF, 1%, 0207
						0	R 20	57.11.3152	1k5	MF. 1%, 0207
0 IC	: 1	50.10.0106	3	TL431	IC TL 431 CLP.	0	R 21	57:11.3152	1k5	MF. 1%, 0207
0 IC		50.09.010		TL072	IC TL 072 CN ,A	0	R 22	57.11.3472	4k7	MF, 1%, 0207
0 IC		50.17.1138		74HC138		0	R 23	57 11 3472	4k7	MF, 1%, 0207
0 IC		50.17.1138		74HC138		0	R 24	57 11.3154	150k	MF, 1%, 0207
				LM337L	IC 74 HC 138 ., ,A IC LM 337 LZ,	0	R 25	57.11.3473	47k	MF. 1%, 0207
0 IC		50.10.0109 50.17.4051		Emoo/ E		0	R 26	57.11.3271	270R	MF, 1%, 0207 MF, 1%, 0207
		50.17.405		TL071		0	R 27	57.11.3821	820R	MF, 1%, 0207 MF, 1%, 0207
0 IC						0	R 28	57.11.3101	100R	
0 IC		50.09.0101		TL072	IC TL 072 CN ,A					MF, 1%, 0207
0 10		50.17.1138		74HC138	IC 74 HC 138 ., ,A	0	R 29	57.11.3101 57.11.3101	100R	MF, 1%, 0207
	: 10	50,17,1165		74HC165	IC 74 HC 165 ., ,A	0	R 30	57.11.3101	100R	MF, 1%, 0207
	: 11	50.17.116		74HC165	IC 74 HC 165 ., ,A	0	R 31	57.11.3101	100R	MF, 1%, 0207
	12	50.17.116		74HC165	IC 74 HC 165 ., ,A	0	R 32	57,11,3331	330R	MF, 1%, 0207
	: 13	50.17.1074		74HC74	IC 74 HC 74 ., ,A	0	R 33	57.11.3331	330R	MF, 1%, 0207
	14	50.10.0109		LM337L	IC LM 337 LZ,	0	R 34	57.11.3101	100R	MF, 1%, 0207
0 IC	: 15	50.19.0204			IC ADS 7803 BP ,A	0	R 35	57.11.3101	100R	MF, 1%, 0207
	: 16	not used				0	R 36	57,11.3101	100R	MF、1%, 0207
0 IC			2	74HC32	IC 74 HC 32 ., ,A	0	R 37	57.11.3101	100R	MF, 1%, 0207
0 IC	17	50.17.1032	_							
0 IC 0 IC		50.17.1032 50.17.1574		74HC574	IC 74 HC 574 ., ,A	0	R 38	57.11.3102	1k0	MF, 1%, 0207
0 IC 0 IC 0 IC	17		4			0	R 38 R 39	57.11.3102 57.11.3223	1k0 22k	MF, 1%, 0207 MF, 1%, 0207

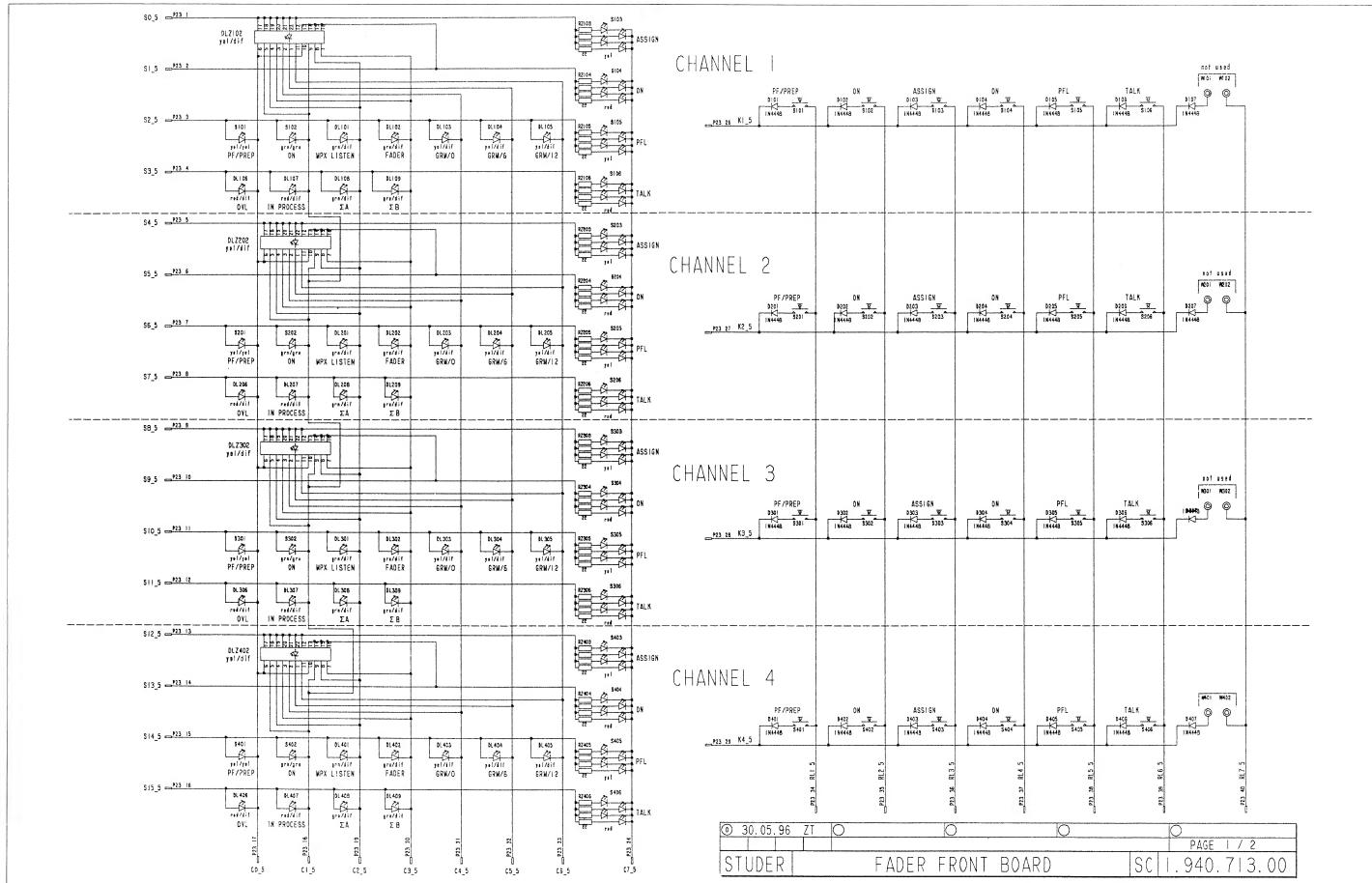
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0	R 41	57,11.3104	100k	MF, 1%, 0207
0	R 42	57 11.3104	100k	MF, 1%, 0207
0	R 43	57.11.3333	33k	MF, 1%, 0207
0	R 44	57.11.3101	100R	MF, 1%, 0207
0	R 45	57.11.3271	270R	MF, 1%, 0207
0	R 46	57.11.3103	10k	MF, 1%, 0207
0	R 47	57.11.3103	10k	MF. 1%, 0207
0	R 48	57 11 3103	10k	MF, 1%, 0207
0	R 49	57_11_3103	10k	MF, 1%, 0207
0	RA 1	58.01 9203	20k	Cermet, 10%, 0.5W, vertical
0	RZ 1	57.88.4473	47k	RZ 8 * 47 K, 2%, SIP 9
0	RZ 2	57 88 4473	47k	RZ 8 * 47 K, 2%, SIP 9
0	RZ 3	57.88.4473	47k	RZ 8 * 47 K. 2%, SIP 9
0	RZ 4	57.88.4473	47k	RZ 8 * 47 K, 2%, SIP 9
0	RZ 5	57 88 4473	47k	RZ 8 * 47 K, 2%, SIP 9
0	RZ 6	57.88.4473	47k	RZ 8 * 47 K, 2%, SIP 9
0	RZ 7	57.88.4473	47k	RZ 8 * 47 K, 2%, SIP 9
0	RZ 8	57.88.4103	10k	RZ 8 * 10 K, 2%, SIP 9
0	RZ 9	57.88.4103	10k	RZ 8 * 10 K, 2%, SIP 9
0	XIC 15	53.03.0173	28p	DIL 0.6", lot, gerade
0	XIC 30	53.03.0173	28p	DIL 0.6", lot, gerade
0	Y 1	89.01.1009	16.000MHz	Y 16.000 MHZ, HC 49/U

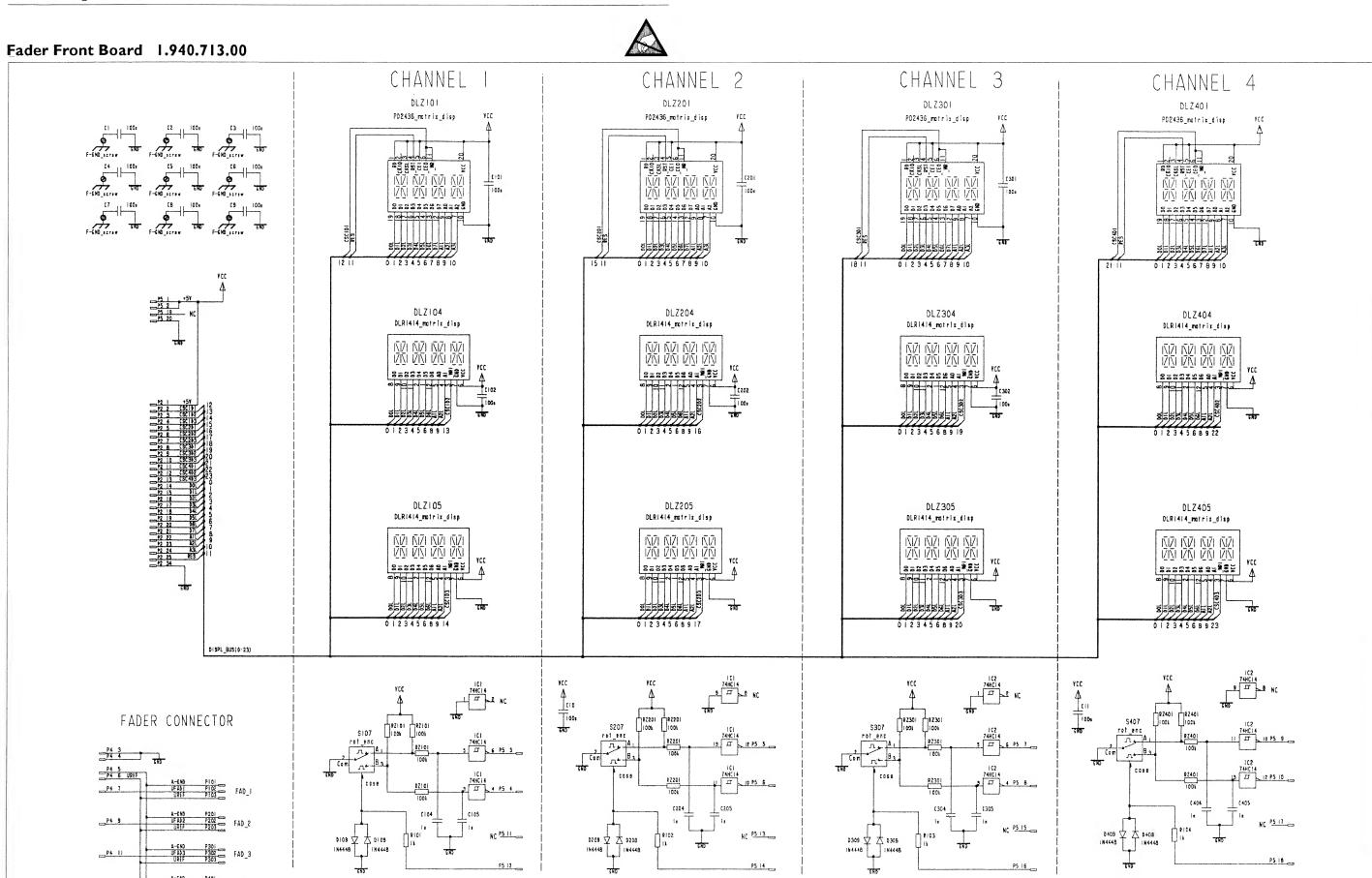
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Commonto

Fader Front Board 1.940.713.00







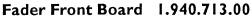
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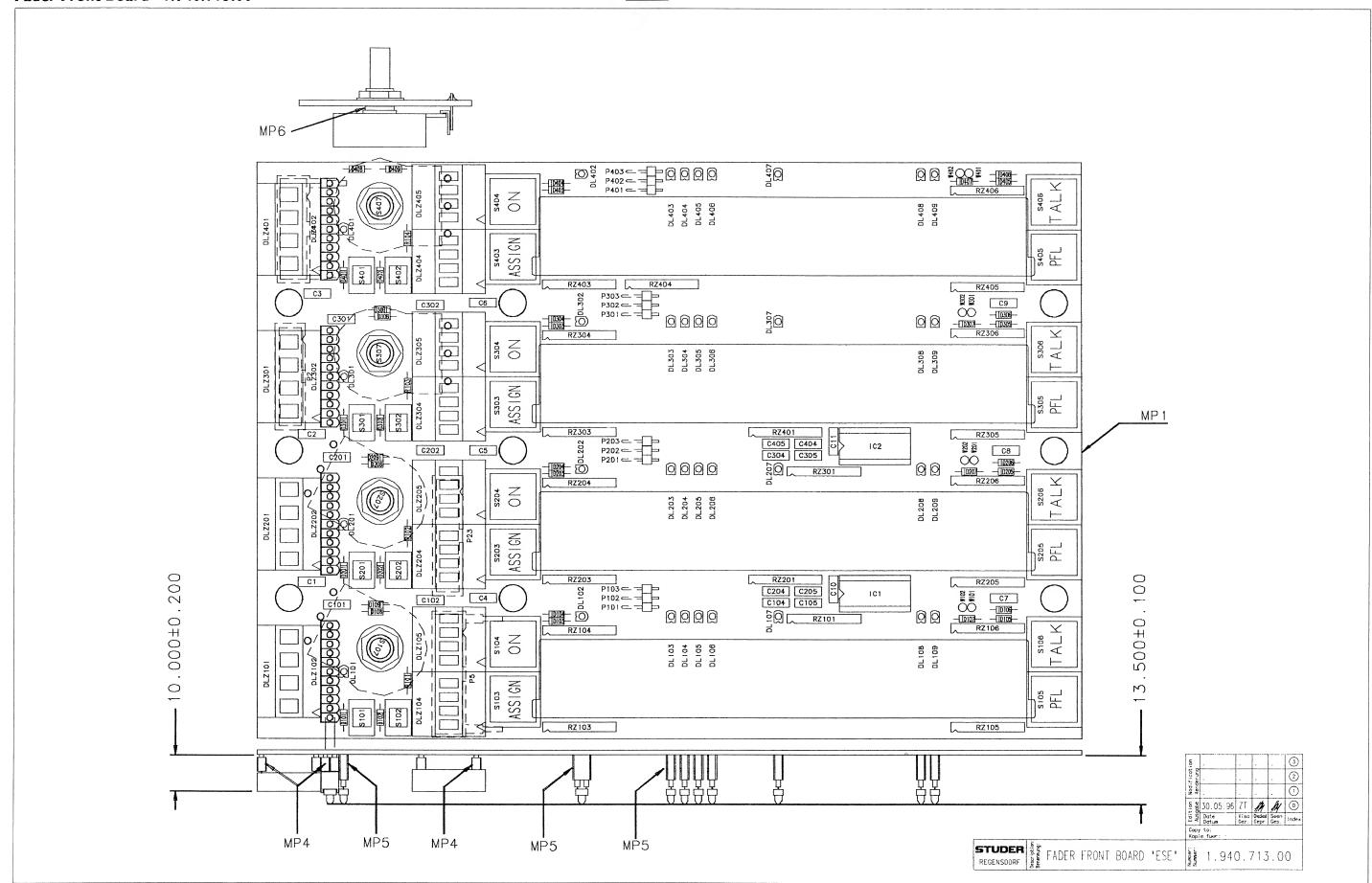
FADER FRONT BOARD

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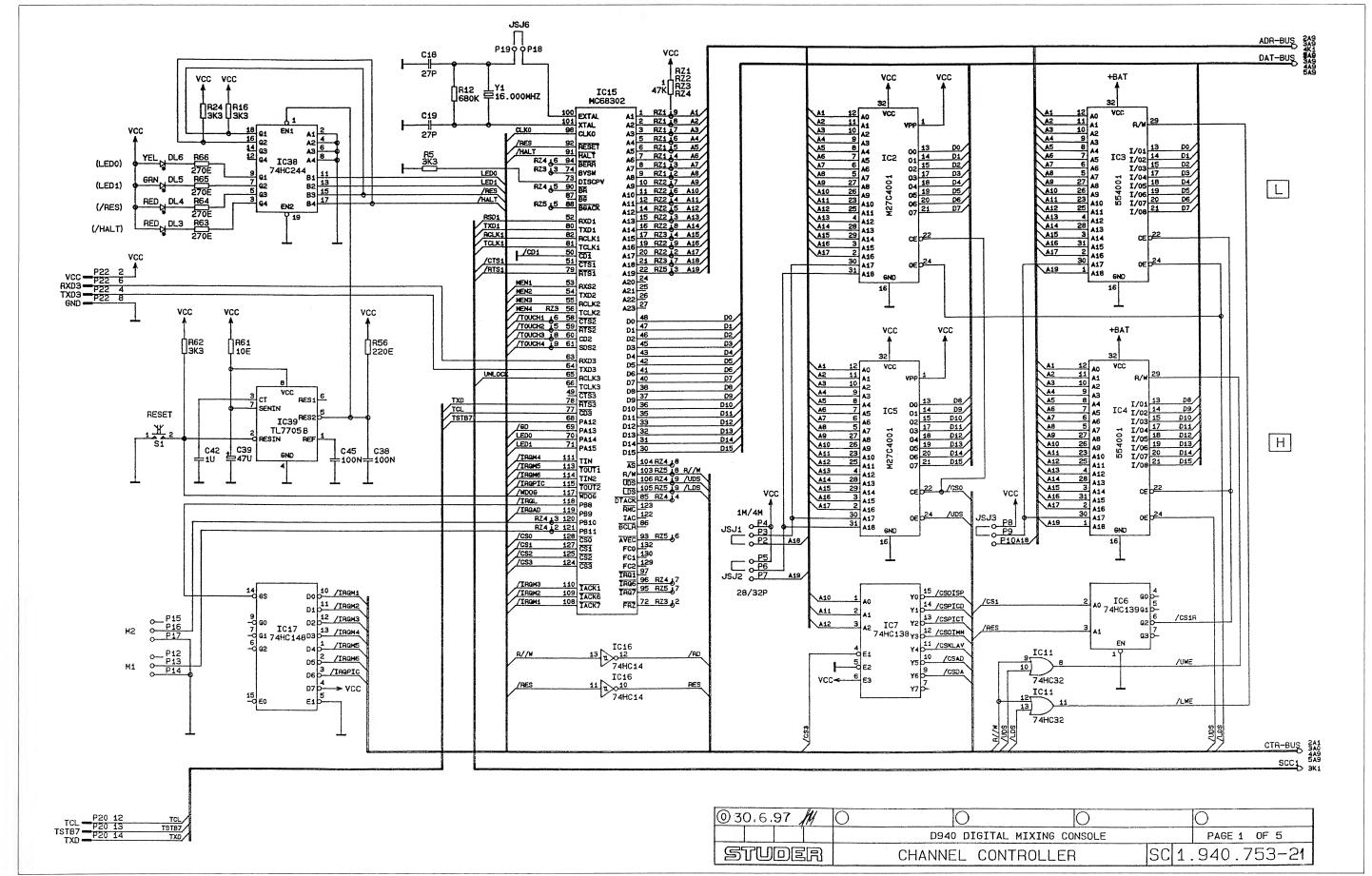


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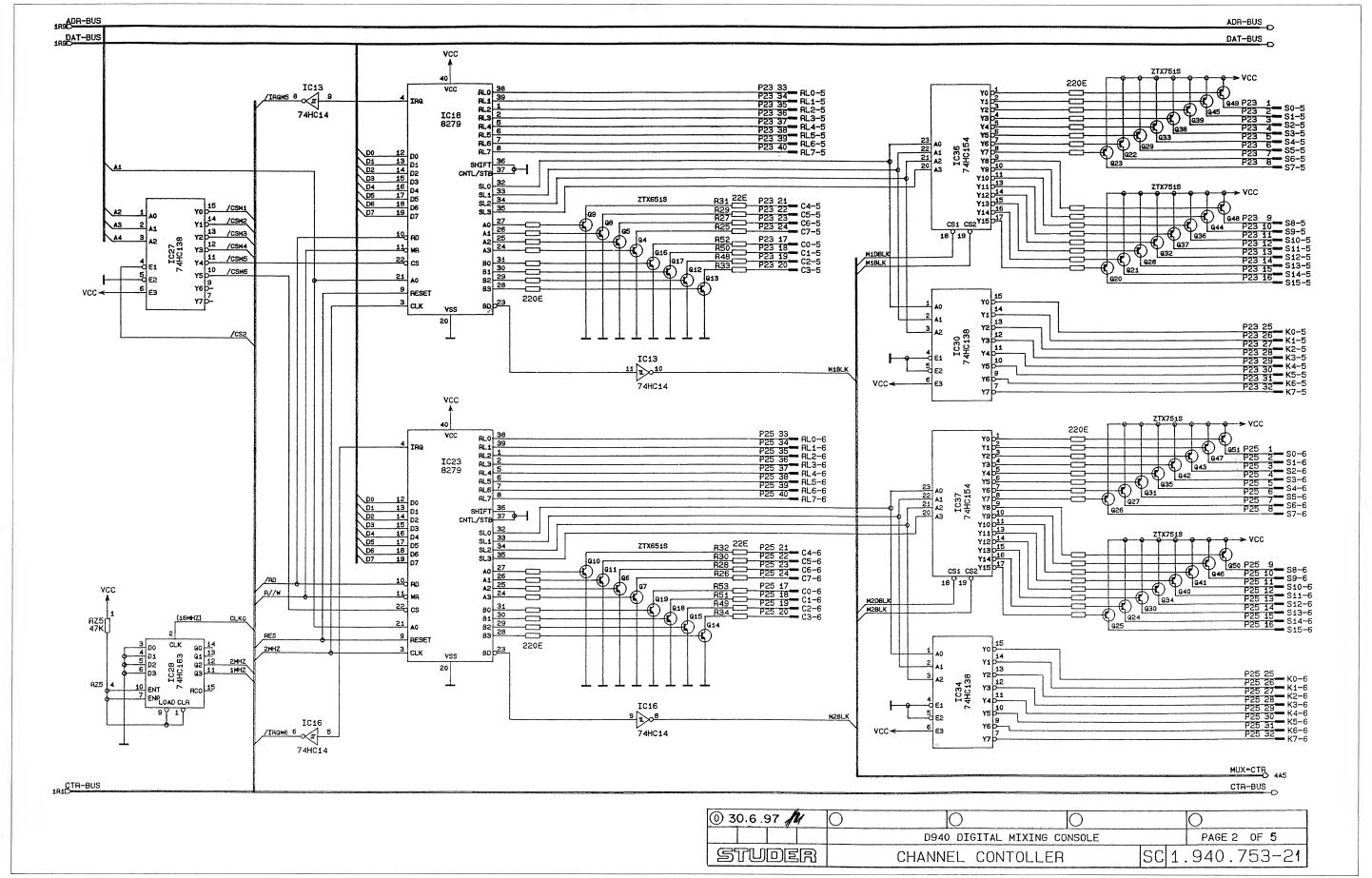


x. Pos.	Part No. Qty.	Type/Val.	Description	ldx. Pos.	Part No. Qty.	Type/Val.	Description	ldx. Pos.	Part No. Qty	. Type/Val.	Description
C 1	59 06 0104	100n	PETP, 10%, 63V	0 DL 303	50 04 2133	TLUY 2401	DL TLUY 2401 GB MATT	0 RZ 405	57.88.2220	4*22R	2%, SIP 8
C 2	59 06 0104	100n	PETP. 10%, 63V	0 DL 304	50 04.2133	TLUY 2401	DL TLUY 2401 GB MATT	0 RZ 406	57.88.2220	4*22R	2%, SIP 8
C 3 C 4	59.06.0104 59.06.0104	100n 100n	PETP, 10%, 63V PETP, 10%, 63V	0 DL 305	50 04.2133	TLUY 2401	DL TLUY 2401 GB MATT	0 S 101	55.15.0644	1*a	C TACTE 11A FMM ODICE
C 5	59,06 0104	100n	PETP, 10%, 63V	0 DL 306 0 DL 307	50 04.2121 50 04.2121	TLUR 2401 TLUR 2401	DL TLUR 2401 RT MATT DL TLUR 2401 RT MATT	0 S 102	55.15.0655	1*a	S TASTE 1*A, 5MM, GB/GB S TASTE 1*A, 5MM, GN/GN
C 6	59.06 0104	100n	PETP, 10%, 63V	0 DL 308	50.04.2132	TLUG 2401	DL TLUG 2401 GN MATT	0 S 103	55.15.0744	1*a	S TASTE 1*A, 12MM, GB/GB
C 7	59.06.0104	100n	PETP, 10%, 63V	0 DL 309	50.04.2132	TLUG 2401	DL TLUG 2401 GN MATT	0 S 104	55 15 0722	1*a	S TASTE 1*A, 12MM, RT/RT
C 8	59.06.0104	100n	PETP, 10%, 63V	0 DL 401	50 04.2132	TLUG 2401	DL TLUG 2401 GN MATT	0 S 105	55.15.07 4 4	1*a	S TASTE 1*A, 12MM, GB/GB
C 9	59 06 0104	100n	PETP, 10%, 63V	0 DL 402	50 04 2132	TLUG 2401	DL TLUG 2401 GN MATT	0 S 106	55.15.0722	1*a	S TASTE 1*A, 12MM, RT/RT
C 10	59.06.0104	100n	PETP, 10%, 63V	0 DL 403	50,04 2133	TLUY 2401	DL TLUY 2401 GB MATT	0 S 107	1.940.751.02		ROTARY ENCODER
C 11	59.06.0104	100n	PETP, 10%, 63V PETP, 10%, 63V	0 DL 404	50.04.2133	TLUY 2401	DL TLUY 2401 GB MATT	0 S 201	55.15.0644	1*a	S TASTE 1*A, 5MM, GB/GB
C 101 C 102	59 06 0104 59 06 0104	100n 100n	PETP, 10%, 63V	0 DL 405 0 DL 406	50.04 2133 50 04.2121	TLUY 2401 TLUR 2401	DL TLUY 2401 GB MATT DL TLUR 2401 RT MATT	0 S 202 0 S 203	55.15.0655 55.15.0744	1°a 1°a	S TASTE 1*A, 5MM, GN/GN S TASTE 1*A, 12MM, GB/GB
C 102	59 06 0102	1n0	PETP, 10%, 63V	0 DL 400	50 04.2121	TLUR 2401	DL TLUR 2401 RT MATT	0 S 204	55.15.0722	1°a	S TASTE 1*A, 12MM, RT/RT
C 105	59 06.0102	1n0	PETP, 10%, 63V	0 DL 408	50 04 2132	TLUG 2401	DL TLUG 2401 GN MATT	0 S 205	55.15.0744	1*a	S TASTE 1*A, 12MM, GB/GB
C 201	59.06.0104	100n	PETP, 10%, 63V	0 DL 409	50 04 2132	TLUG 2401	DL TLUG 2401 GN MATT	0 S 206	55 15 0722	1*a	S TASTE 1°A, 12MM, RT/RT
C 202	59 06 0104	100n	PETP, 10%, 63V	0 DLZ 101	73 01 0405		LED DOT MATR-DISP 4 DIG 5X7	0 S 207	1.940.751.02		ROTARY ENCODER
C 204	59.06.0102	1n0	PETP, 10%, 63V	0 DLZ 102	50 04 2812		DLZ 11°D GB	0 S 301	55.15.0644	1 ° a	S TASTE 1*A, 5MM, GB/GB
C 205	59.06 0102	1n0	PETP, 10%, 63V	0 DLZ 104	73 01 0406		LED DOT MATR-DISP 4 DIG 5X7	0 S 302	55.15.0655	1°a	S TASTE 1°A, 5MM, GN/GN
C 301	59.06.0104	100n 100n	PETP, 10%, 63V PETP, 10%, 63V	0 DLZ 105	73.01,0406		LED DOT MATR-DISP 4 DIG 5X7	0 S 303	55.15.0744	1*a	S TASTE 1*A, 12MM, GB/GB
C 302 C 304	59.06.0104 59.06.0102	1n0	PETP, 10%, 63V	0 DLZ 201 0 DLZ 202	73 01.0405		LED DOT MATR-DISP 4 DIG 5X7	0 \$ 304 0 \$ 305	55 15.0722 55 15.0744	1*a 1*a	S TASTE 1*A, 12MM, RT/RT
C 304	59.06.0102	1n0	PETP, 10%, 63V	0 DLZ 202 0 DLZ 204	50 04 2812 73 01 0406		DLZ 11°D GB LED DOT MATR-DISP 4 DIG 5X7	0 S 306	55 15 0722	1"a	S TASTE 1*A, 12MM, GB/GB S TASTE 1*A, 12MM, RT/RT
C 404	59.06.0102	1n0	PETP, 10%, 63V	0 DLZ 205	73.01.0406		LED DOT MATR-DISP 4 DIG 5X7	0 S 307	1.940 751,02	1 4	ROTARY ENCODER
C 405	59.06.0102	1n0	PETP, 10%, 63V	0 DLZ 301	73.01.0405		LED DOT MATR-DISP 4 DIG 5X7	0 S 401	55 15 0644	1*a	S TASTE 1*A, 5MM, GB/GB
				0 DLZ 302	50.04.2812		DLZ 11°D GB	0 S 402	55 15 0655	1*a	S TASTE 1*A, 5MM, GN/GN
D 101	50.04 0125	1N4448	75V, 150mA, 4ns, DO-35	0 DLZ 304	73.01.0406		LED DOT MATR-DISP 4 DIG 5X7	0 S 403	55.15.0744	1*a	S TASTE 1°A, 12MM, GB/GB
D 102	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 DLZ 305	73.01.0406		LED DOT MATR-DISP 4 DIG 5X7	0 S 404	55.15.0722	1*a	S TASTE 1*A, 12MM, RT/RT
D 103	50 04 0125	1N4448	75V, 150mA, 4ns, DO-35	0 DLZ 401	73.01.0405		LED DOT MATR-DISP 4 DIG 5X7	0 S 405	55.15.0744	1*a	S TASTE 1*A, 12MM, GB/GB
D 104	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 DLZ 402	50.04.2812		DLZ 11°D GB	0 S 406	55.15.0722	1*a	S TASTE 1*A, 12MM, RT/RT
D 105	50 04 0125	1N4448	75V, 150mA, 4ns, DO-35	0 DLZ 404	73.01.0406		LED DOT MATR-DISP 4 DIG 5X7	0 S 407	1.940.751 02		ROTARY ENCODER
D 106	50.04 0125	1N4448	75V, 150mA, 4ns_DO-35	0 DLZ 405	73.01.0406		LED DOT MATR-DISP 4 DIG 5X7	0 18/404		4.5	
D 107	50,04,0125	1N4448	75V, 150mA, 4ns, DO-35		50.47.4044	741044	10 7411044	0 W 101	not used	1-P 1-P	MP RAST LOETKONTAKT D
D 108 D 109	50.04 0125 50.04 0125	1N4448 1N4448	75V, 150mA, 4ns, DO-35 75V, 150mA, 4ns, DO-35	0 IC 1 0 IC 2	50.17.1014 50.17.1014	74HC14 74HC14	IC 74 HC 14 ., ,A IC 74 HC 14 ., ,A	0 W 102 0 W 201	not used not used	1-P	MP RAST LOETKONTAKT D MP RAST LOETKONTAKT D
D 109	50 04 0125	1N4448	75V, 150mA, 4ns, DO-35	0 102	50.17.1014	/4HC14	IC 74 HC 14 ., ,A	0 W 202	not used	1-P	MP RAST LOETKONTAKT D
D 202	50.04 0125	1N4448	75V, 150mA, 4ns, DO-35	0 MP1	1.940.711.11 1 pce		FADER FRONT PCB //\	0 W 301	not used	1-P	MP RAST LOETKONTAKT D
D 203	50 04 0125	1N4448	75V, 150mA, 4ns, DO-35	0 MP 2	43.01.0108 1 pce		ESE-WARNSCHILD	0 W 302	not used	1-P	MP RAST LOETKONTAKT D
D 204	50.04 0125	1N4448	75V, 150mA, 4ns, DO-35	0 MP3	1.940.713.04 1 pce		NRETIKETTE 5 * 20	0 W 401	not used	1-P	MP RAST LOETKONTAKT D
D 205	50 04 0125	1N4448	75V, 150mA, 4ns. DO-35	0 MP 4	53.03.0218 264 pc		XIC SINGLE, IN-LINE 1PIN=1STK	0 W 402	not used	1-P	MP RAST LOETKONTAKT D
D 206	50.04 0125	1N4448	75V, 150mA, 4ns, DO-35	0 MP5	53.03.0240.36 pcs		XLED SINGLE LINE, 2 POL. PRINT				
D 207	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 MP 6	1.010.091.23 4 pcs		DISTANZSCHEIBE D 9.0/12* 1.2			End of List	
D 208	50 04 0125	1N4448	75V, 150mA, 4ns, DO-35					Comments:			
D 209	50 04 0125	1N4448	75V, 150mA, 4ns, DO-35	0 P2	54.16.0534	34p	P 1/40", 34 P, AU, PRINT	y william wi			
D 301	50 04 0125	1N4448	75V, 150mA, 4ns, DO-35	0 P4	54,14,2102	16p	P STECKER 16 P.AU.VR.GERADE				
D 302 D 303	50,04 0125 50,04 0125	1N4448 1N4448	75V, 150mA, 4ns, DO-35 75V, 150mA, 4ns, DO-35	0 P 5 0 P 23	54.14.2103 54.16.0540	20p	P STECKER 20 P,AU, VR,GERADE				
D 304	50 04 0125	1N4448	75V, 150mA, 4ns, DO-35	0 P 101	54.11.0125	40p 1p	P 1/40", 40 P, AU, PRINT P STIFT.WINKEL 1 PIN=1 STK.				
D 305	50 04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 P 102	54.11.0125	1p	P STIFT, WINKEL 1 PIN=1 STK.				
D 306	50 04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 P 103	54.11.0125	1p	P STIFT, WINKEL 1 PIN=1 STK				
D 307	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 P 201	54.11.0125	1p	P STIFT, WINKEL 1 PIN=1 STK.				
D 308	50 04 0125	1N4448	75V, 150mA, 4ns, DO-35	0 P 202	54.11 0125	1p	P STIFT, WINKEL 1 PIN=1 STK.				
D 309	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 P 203	54.11 0125	1p	P STIFT, WINKEL 1 PIN=1 STK				
D 401	50 04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 P 301	54 11.0125	1p	P STIFT, WINKEL 1 PIN=1 STK.				
D 402	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 P 302	54.11.0125	1p	P STIFT, WINKEL 1 PIN=1 STK.				
D 403	50 04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 P 303	54.11.0125	1p	P STIFT, WINKEL 1 PIN=1 STK.				
D 404	50 04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 P 401	54.11 0125	1p	P STIFT, WINKEL 1 PIN=1 STK				
D 405 D 406	50.04.0125 50.04.0125	1N4448 1N4448	75V, 150mA, 4ns, DO-35	0 P 402	54 11 0125	1p	P STIFT, WINKEL 1 PIN=1 STK. P STIFT, WINKEL 1 PIN=1 STK				
D 400 D 407	50 04.0125	1N4448	75V, 150mA, 4ns, DO-35 75V, 150mA, 4ns, DO-35	0 P 403	54 11 0125	1p	P SHFT, WINKEL TPIN=151K				
D 408	50 04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 R 101	57.10.1102	1k0	MF. 1%, 0204				
D 409	50 04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 R 102	57.10.1102	1k0	MF. 1%, 0204				
				0 R 103	57.10.1102	1k0	MF, 1%, 0204				
DL 101	50.04.2132	TLUG 2401	DL TLUG 2401 GN MATT	0 R 104	57.10.1102	1k0	MF, 1%, 0204				
DL 102	50.04.2132	TLUG 2401									
DL 103	50.04.2133	TLUY 2401	DL TLUY 2401 GB MATT	0 RZ 101	57.88.2104	4°100k	2%, SIP 8				
DL 104	50.04.2133	TLUY 2401		0 RZ 103	57.88.2220	4*22R	2%, SIP 8				
DL 105	50 04.2133	TLUY 2401		0 RZ 104	57 88 2220	4*22R	2%, SIP 8				
DL 106	50 04.2121	TLUR 2401		0 RZ 105	57.88.2220	4*22R	2%, SIP 8				
DL 107	50 04.2121	TLUR 2401		0 RZ 106	57.88.2220	4*22R	2%, SIP 8				
DL 108	50 04.2132	TLUG 2401		0 RZ 201	57.88.2104	4*100k	2%, SIP 8				
DL 109	50.04.2132 50.04.2132	TLUG 2401 TLUG 2401		0 RZ 203	57.88 2220 57.88 2220	4*22R	2%, SIP 8				
DL 201	50.04.2132	TLUG 2401		0 RZ 204 0 RZ 205	57.88.2220 57.88.2220	4*22R 4*22R	2%, SIP 8				
DL 202 DL 203	50.04.2132	TLUG 2401		0 RZ 205	57.88.2220 57.88.2220	4*22R 4*22R	2%, SIP 8 2%, SIP 8				
DL 203 DL 204	50 04.2133	TLUY 2401		0 RZ 301	57.88.2104	4 22K 4*100k	2%, SIP 8				
DL 204 DL 205	50 04.2133	TLUY 2401	DL TLUY 2401 GB MATT	0 RZ 303	57.88.2220	4*22R	2%, SIP 8				
DL 205	50 04.2121	TLUR 2401		0 RZ 304	57.88.2220	4*22R	2%, SIP 8				
DL 207	50 04.2121	TLUR 2401		0 RZ 305	57.88.2220	4*22R	2%, SIP 8				
DL 208	50.04.2132	TLUG 2401		0 RZ 306	57.88.2220	4*22R	2%, SIP 8				
DL 209	50 04.2132	TLUG 2401		0 RZ 401	57.88.2104	4*100k	2%, SIP 8				
DL 301	50 04.2132	TLUG 2401		0 RZ 403	57.88.2220	4*22R	2%, SIP 8				

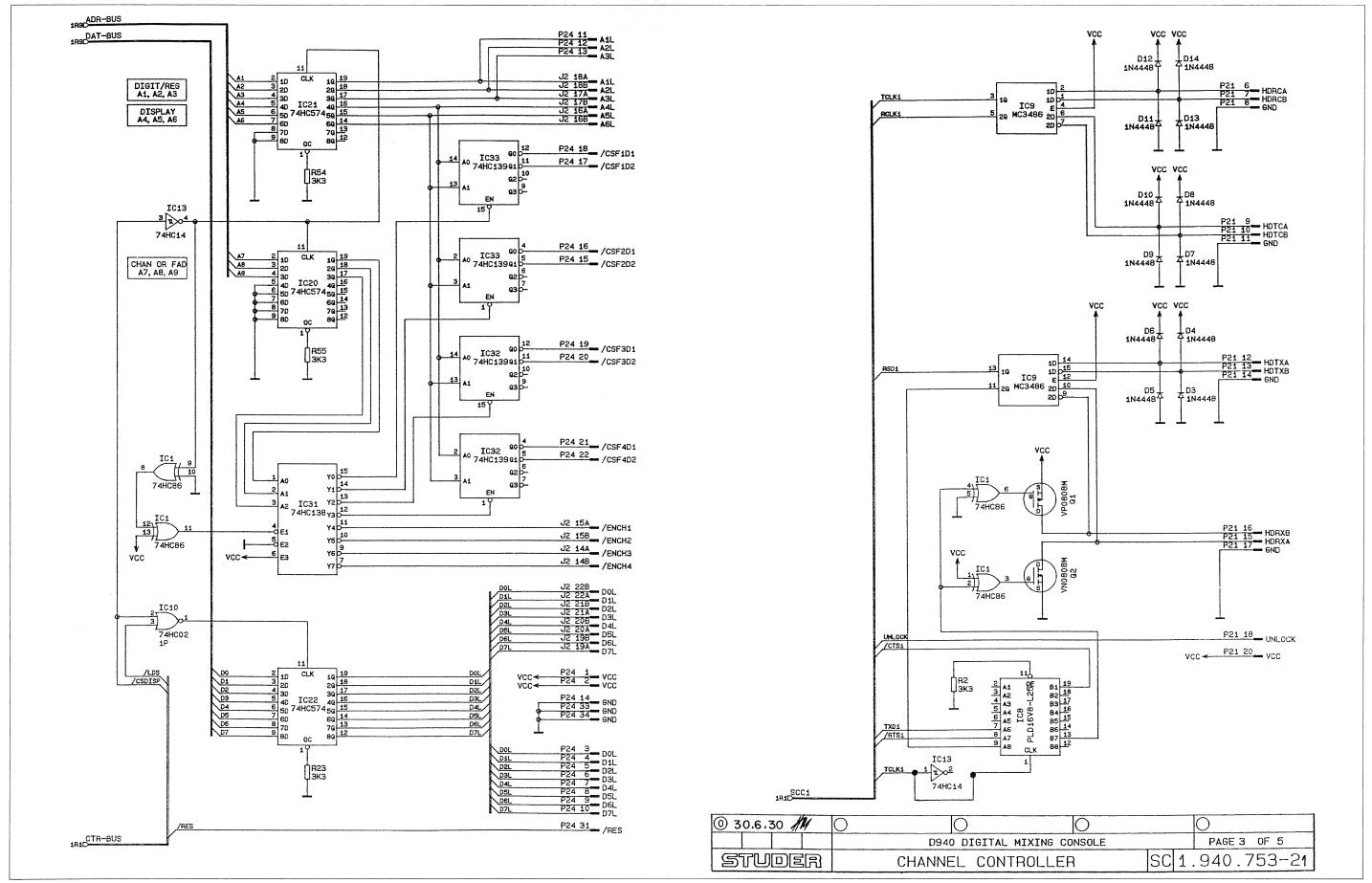




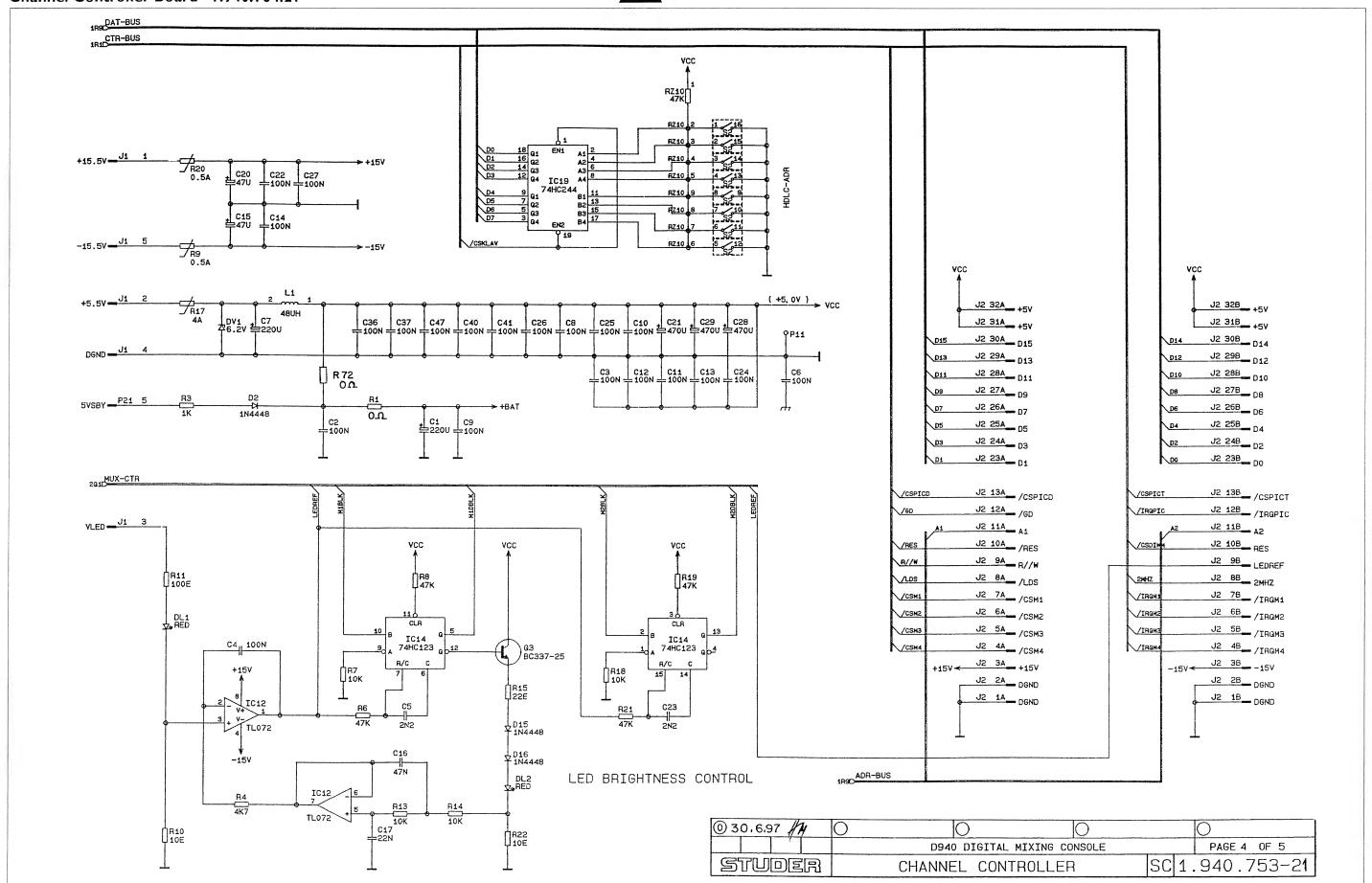




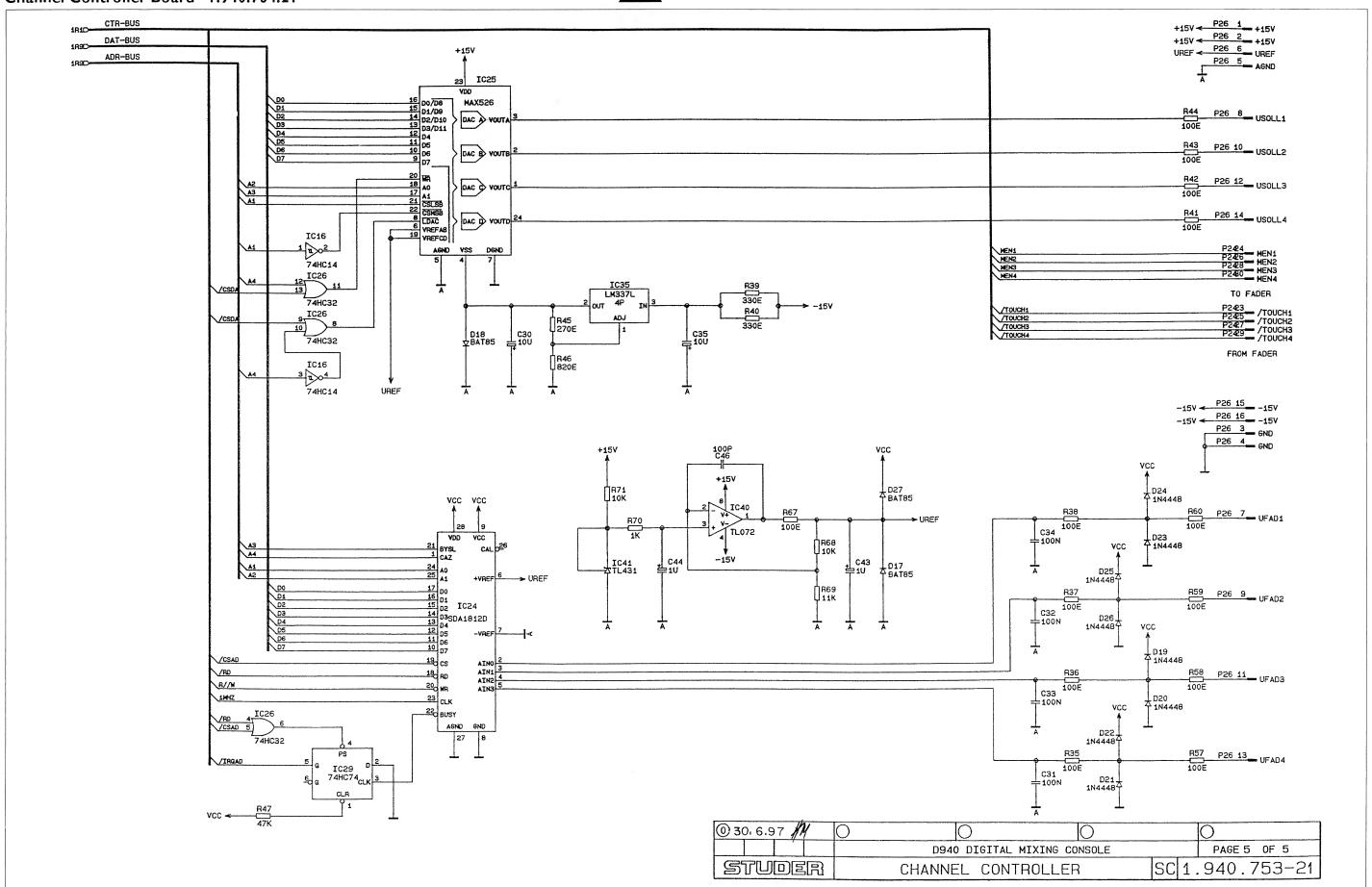




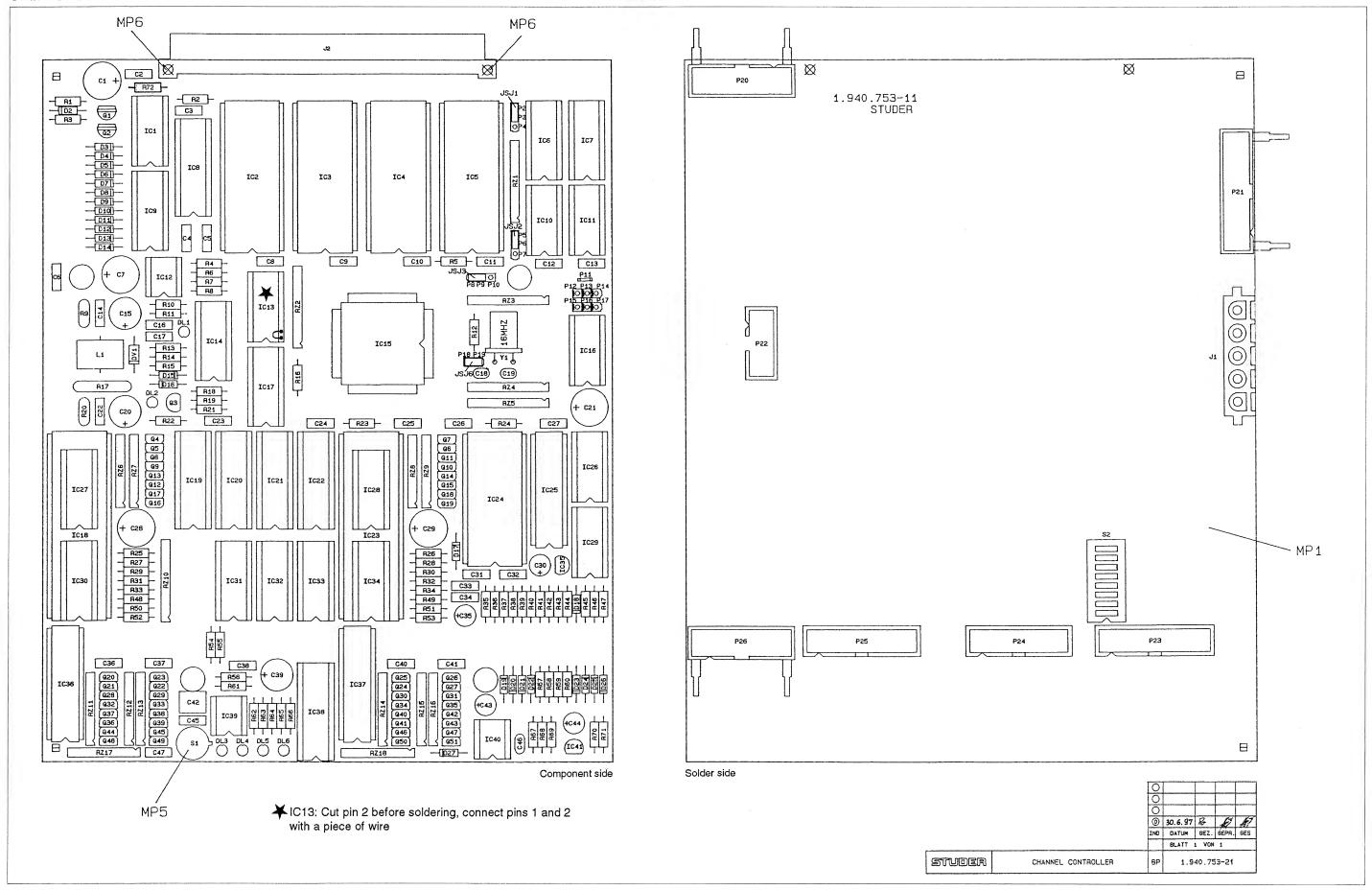














Channel Controller Board 1.940.753.21

ix. Pos.	Part No. Qty.	Type/Val.	Description	ldx.	Pos.	Part No. Qty.	Type/Val.	Description
O C 1	59.22.5221	220u	EL 25V, 20%, RM5	0	IC 4	50.14.1010	TC551001-85	SRAM 128K * 8, 85ns
D C2	59.06.0104	100n	PETP, 63V, 10%, RM5	0	IC 5	1.940.935.20		SW940750 HDLC-EPROM ,
C 3	59.06.0104	100n	PETP, 63V, 10%, RM5					50.14.2009
C 4	59.06.0104	100n	PETP, 63V, 10%, RM5	0	IC 6	50.17.1139	74HC139	IC 74 HC 139 ., ,A
C5	59.06.5222	2n2	PETP, 63V. 5%, RM5	o	IC 7	50.17.1138	74HC138	IC 74 HC 138 ., ,A
C 6	59.06.0104	100n	PETP, 63V, 10%, RM5	0	IC 8	50.18.0100	PLD16V8	16 V 8 D - 25 LP
C 7	59.22.5221	220u	EL 25V, 20%, RM5	0	IC 9	50.15.0104	MC3486	IC MC 3486 P, DS 3486 N,
C 8	59.06.0104	100n	PETP, 63V, 10%, RM5	0	IC 10	50.17.1002	74HC02	IC 74 HC 02 ., ,A
C 9	59.06.0104	100n	PETP, 63V, 10%, RM5	0	IC 11	50.17.1032	74HC32	IC 74 HC 32 ., ,A
C 10	59.06.0104	100n	PETP, 63V, 10%, RM5	0	IC 12	50.09.0101	TL072	IC TL 072 CN ,A
C 11	59.06.0104	100n	PETP, 63V, 10%, RM5	0	IC 13	50.17.1014	74HC14	IC 74 HC 14 ., ,A
C 12	59.06.0104	100n	PETP, 63V, 10%, RM5	0	IC 14	50.17.1123	74HC123	IC 74 HC 123 ., ,A
C 13	59.06.0104	100n	PETP, 63V, 10%, RM5	0	IC 15	50.63.0100	MC68302	IC MC 68 302 FC 16 C ,A
C 14	59.06.0104	100n	PETP, 63V, 10%, RM5	0	IC 16	50.17.1014	74HC14	IC 74 HC 14 ., ,A
C 15	59.22.6470	47u	EL 40V, 20%, RM5	0	IC 17	50.17.1148	74HC148	IC 74 HC 148 ., A
C 16		47n		1	IC 18		8279	IC TMP 82 C 79 P-2
	59.06.5473		PETP, 63V, 5%, RM5			50.16.0703		
C 17	59.06.5223	22n	PETP, 63V, 5%, RM5	0	IC 19	50.17.1244	74HC244	IC 74 HC 244 ., ,A
C 18	59.34.2270	27p	CER 63V, 5%, N150	0	IC 20	50.17.1574	74HC574	IC 74 HC 574 ., ,A
C 19	59.34.2270	27p	CER 63V, 5%, N150	0	IC 21	50.17.1574	74HC574	IC 74 HC 574 ., ,A
C 20	59.22.6470	47u	EL 40V, 20%, RM5	0	IC 22	50.17.1574	74HC574	IC 74 HC 574 ., ,A
C 21	59.22.3471	470u	EL 10V, 20%, RM5	1	IC 23	50.16,0703	8279	IC TMP 82 C 79 P-2
C 22	59.06.0104	100n	PETP, 63V, 10%, RM5	0	IC 24	50.19.0204		IC ADS 7803 BP ,A
C 23	59.06.5222	2n2	PETP, 63V, 5%, RM5	0	IC 25	50.19.0113	MAX526D	D/A Converter 12 Bit
C 24	59.06.0104	100n	PETP, 63V, 10%, RM5	0	IC 26	50.17.1032	74HC32	IC 74 HC 32 ., ,A
C 25	59.06.0104	100n	PETP, 63V, 10%, RM5	0	IC 27	50.17.1032	74HC138	
C 26	59.06.0104	100n	PETP, 63V, 10%, RM5	0	IC 28	50.17.1163	74HC163	IC 74 HC 163 ., ,A
C 27	59.06.0104	100n	PETP, 63V, 10%, RM5	0	IC 29	50.17.1074	74HC74	IC 74 HC 74 ., ,A
C 28	59.22,3471	470u	EL 10V, 20%, RM5	0	IC 30	50.17.1138	74HC138	IC 74 HC 138 ., ,A
C 29	59.22,3471	470u	EL 10V, 20%, RM5	0	IC 31	50.17.1138	74HC138	IC 74 HC 138 ., ,A
C 30	59.22.6100	10u	EL 35V, 20%, RM5	0	IC 32	50.17.1139	74HC139	IC 74 HC 139 ., ,A
C 31	59.06.0104	100n	PETP, 63V, 10%, RM5	0	IC 33	50.17.1139	74HC139	IC 74 HC 139 ., A
C 32	59.06.0104	100n	PETP, 63V, 10%, RM5	0	IC 34	50.17.1138	74HC138	IC 74 HC 138 ., ,A
C 32				0			LM337L	
	59.06.0104	100n	PETP, 63V, 10%, RM5		IC 35	50.10.0109		IC LM 337 LZ,
C 34	59.06.0104	100n	PETP, 63V, 10%, RM5	0	IC 36	50.17.1154	74HC154	4-to16 Line driver, DIP 24-300
C 35	59.22.6100	10u	EL 35V, 20%, RM5	0	IC 37	50.17.1154	74HC154	4-to16 Line driver, DIP 24-300
C 36	59.06.0104	100n	PETP, 63V, 10%, RM5	0	IC 38	50.17.1244	74HC244	IC 74 HC 244 ., ,A
C 37	59.06.0104	100n	PETP, 63V, 10%, RM5	0	IC 39	50.11.0157	TL7705B	IC TL 7705 BCP,
C 38	59.06.5104	100n	PETP, 63V, 5%, RM5	0	IC 40	50.09.0101	TL072	IC TL 072 CN ,A
C 39	59.22.6470	47u	EL 40V, 20%, RM5	0	IC 41	50.10.0106	TL431	IC TL 431 CLP,
C 40	59.06.0104	100n	PETP, 63V, 10%, RM5	3	- **	20.70.0100		
				^	1.4	E4 0F 000F	£-	Puebec 164 verilled DOD
C 41	59.06.0104	100n	PETP, 63V, 10%, RM5	0	J 1	54.25.0005	5p	Buchse, 16A, vertikal, PCB
C 42	59.06.5105	1u0	PETP, 50V, 5%, RM5	0	J 2	54.11.2010	64p	EU-Q 2*32p
C 43	59.22.8109	1u	EL 50V, 20%, RM5					
C 44	59.22.8109	1u	EL 50V, 20%, RM5	0	JSJ 1	54.01.0021	Jumper	0.63 * 0.63mm
C 45	59.06.5104	100n	PETP, 63V, 5%, RM5	0	JSJ 2	54.01.0021	Jumper	0.63 * 0.63mm
C 46	59.34.4101	100p	CER 63V, 5%, N750	0	JSJ 3	54.01.0021	Jumper	0.63 * 0.63mm
C 47	59.06.0104	100n	PETP, 63V, 10%, RM5	0	JSJ 6	54.01.0021	Jumper	0.63 * 0.63mm
D 2				·	0000	34.01.0021	dumper	0.00 0.0011111
	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35		1.4	22.22.22.42	40.71	0.4 T
D 3	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0	L 1	62.03.0010	48uH	2A Toroid Chocke
D 4	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	_				
D 5	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0	MP 1	1.940.753.11 1 pce		CHANNEL CONTROLLER PCB
D 6	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0	MP 2	1.940.753.04 1 pce		NRETIKETTE 5 * 20
D 7	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0	MP 3	1.101.001.20 1 pce	Label	TEXT-ETIK. 5*20 HARDWARE -
D 8	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0	MP 4	43.01.0108 1 pce	Label	ESE-WARNSCHILD
D 9	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0	MP 5	1.010.015.50 1 pce	Spacer	ISOLIER-SCHEIBE ZU TO 5
				0	MP 6	·	-paooi	
D 10	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	J	IAIL: O	28.99.0119 2 pcs		ROHRNIETE D 2.5*0.15* 9
D 11	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35				_	
D 12	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0	P 2	54.01.0020	1p	Pin 0.63*0.63
D 13	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0	P 3	54.01.0020	1p	Pin 0.63*0.63
D 14	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0	P 4	54.01.0020	1p	Pin 0.63*0.63
D 15	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0	P 5	54.01.0020	1p	Pin 0.63*0.63
D 16	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0	P 6	54.01.0020	1p	Pin 0.63*0.63
D 17	50.04.0127	BAT85	200mA, Schottky	0	P 7	54.01.0020	1p	Pin 0.63*0.63
				0	P 8			
D 18	50.04.0127	BAT85	200mA, Schottky			54.01.0020	1p	Pin 0.63*0.63
D 19	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0	P 9	54.01.0020	1p	Pin 0.63*0.63
D 20	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0	P 10	54.01.0020	1p	Pin 0.63*0.63
D 21	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0	P 11	54.02.0320	1p	Flatpin, 2.8*0.8mm
D 22	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0	P 12	54.01.0020	1p	Pin 0.63*0.63
D 23	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0	P 13	54.01.0020	1p	Pin 0.63*0.63
D 24	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0	P 14	54.01.0020	1p	Pin 0.63*0.63
D 25	50.04.0125			0	P 15	54.01.0020		Pin 0.63*0.63
		1N4448	75V, 150mA, 4ns, DO-35	0	P 16		1p	
D 26	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35			54.01.0020	1p	Pin 0 63*0.63
D 27	50.04.0127	BAT85	200mA, Schottky	0	P 17	54.01.0020	1p	Pin 0.63*0.63
				0	P 18	54.01.0020	1p	Pin 0.63*0.63
DL 1	50.04.2129	LS3360	DL LS 3360 , RT DIFF	0	P 19	54.01.0020	1p	Pin 0.63*0.63
DL2	50.04.2129	LS3360	DL LS 3360 RT DIFF	0	P 20	54.14.2102	16p	P STECKER 16 P,AU,VR,GERA
DL 3	50.04.2129	LS3360	DL LS 3360 RT DIFF	0	P 21	54.14.2103	20p	P STECKER 20 P,AU,VR,GERA
DL 4	50.04.2129	LS3360		0	P 22	54.14.2001	10p	1/20" Au, gerade, ohne Verrieg
			DL LS 3360 , RT DIFF					
DL 5	50.04.2131	LG3360	DL LG 3360, GN DIFF	0	P 23	54.16.0540	40p	P 1/40", 40 P, AU, PRINT
DL 6	50.04.2130	LY3360	DL LY 3360 , GB DIFF	0	P 24	54.16.0534	34p	P 1/40", 34 P, AU, PRINT
				0	P 25	54.16.0540	40p	P 1/40", 40 P, AU, PRINT
DV 1	50.04.1511	6V2	Zener, 5%, 1.3W, DO-41	0	P 26	54.14.2102	16p	P STECKER 16 P,AU,VR,GERA
							- 1	- , , , , , , , , ,
IC 1	EO 17 1000	744000	10 74 40 00	0	Q 1	50.03.1554	VP0808M	VP 0808 M
	50,17,1086	74HC86	IC 74 HC 86 ., ,A	0		50.03.1554		
10.0	1.940.935.20		SW940750 HDLC-EPROM	,^	Q 2	50.03.1505	W8080NV	VN 0808 M, ZVN 0108 A
IC 2								
IC 2	50.14.1010		50.14.2009 SRAM 128K * 8, 85ns	0	Q 3 Q 4	50.43.0340 50.03.0523	ZTX651	Q BC 337-25, ZTX 651





Channel Controller Board 1.940.753.21

ix. Pos.	Part No. Qty.	Type/Val.	Description	ldx.	Pos.	Part No. Qty.	Type/Val.	Description
Q 5	50.03.0523	ZTX651	ZTX 651	0	R 40	57.11.3331	330R	MF, 1%, 0207
Q 6	50.03.0523	ZTX651	ZTX 651	0	R 41	57.11,3101	100R	MF, 1%, 0207
Q 7	50.03.0523	ZTX651	ZTX 651	0	R 42	57.11.3101	100R	MF, 1%, 0207
Q 8	50.03.0523	ZTX651	ZTX 651	0	R 43	57.11.3101	100R	MF, 1%, 0207
Q 9	50.03.0523	ZTX651	ZTX 651	0	R 44	57.11.3101	100R	MF, 1%, 0207
Q 10	50.03.0523	ZTX651	ZTX 651	0	R 45	57.11.3271	270R	MF, 1%, 0207
Q 11	50.03.0523	ZTX651	ZTX 651	0	R 46	57.11.3821	820R	MF, 1%, 0207
Q 12 Q 13	50.03.0523	ZTX651	ZTX 651	0	R 47 R 48	57.11.3473	47k	MF, 1%, 0207
Q 14	50.03.0523 50.03.0523	ZTX651 ZTX651	ZTX 651 ZTX 651	0	R 48	57.11.3220	22R 22R	MF, 1%, 0207
Q 15	50.03.0523	ZTX651	ZTX 651	0	R 50	57.11.3220 57.11.3220	22R	MF, 1%, 0207 MF, 1%, 0207
Q 16	50.03.0523	ZTX651	ZTX 651	0	R 51	57.11.3220	22R	MF, 1%, 0207
Q 17	50.03.0523	ZTX651	ZTX 651	0	R 52	57.11.3220	22R	MF, 1%, 0207
Q 18	50.03.0523	ZTX651	ZTX 651	0	R 53	57.11.3220	22R	MF, 1%, 0207
Q 19	50.03,0523	ZTX651	ZTX 651	0	R 54	57.11.3332	3k3	MF, 1%, 0207
Q 20	50.03.0352	ZTX751S	ZTX 751 S	0	R 55	57.11.3332	3k3	MF, 1%, 0207
Q 21 Q 22	50.03.0352	ZTX751S	ZTX 751 S	0	R 56	57.11.3221	220R	MF, 1%, 0207
	50.03.0352	ZTX751S	ZTX 751 S	0	R 57	57.11.3101	100R	MF, 1%, 0207
	50.03.0352	ZTX751S	ZTX 751 S	0	R 58	57.11.3101	100R	MF, 1%, 0207
Q 24 Q 25	50.03.0352 50.03.0352	ZTX751S ZTX751S	ZTX 751 S ZTX 751 S	0	R 59 R 60	57.11.3101 57.11.3101	100R 100R	MF, 1%, 0207 MF, 1%, 0207
Q 26	50.03.0352	ZTX751S	ZTX 751 S	0	R 61	57.11.3100	10R	MF, 1%, 0207
Q 27	50.03.0352	ZTX7518	ZTX 751 S	0	R 62	57.11.3332	3k3	MF, 1%, 0207
Q 28	50.03.0352	ZTX751S	ZTX 751 S	0	R 63	57.11.3271	270R	MF, 1%, 0207
Q 29	50.03.0352	ZTX751S	ZTX 751 S	0	R 64	57.11.3271	270R	MF, 1%, 0207
Q 30	50.03.0352	ZTX751S	ZTX 751 S	0	R 65	57.11.3271	270R	MF, 1%, 0207
Q 31	50.03.0352	ZTX751S	ZTX 751 S	0	R 66	57.11.3271	270R	MF, 1%, 0207
Q 32	50.03.0352	ZTX751S	ZTX 751 S	0	R 67	57.11.3101	100R	MF, 1%, 0207
Q 33 Q 34	50.03.0352	ZTX751S	ZTX 751 S	0	R 68	57.11.3103	10k	MF, 1%, 0207
Q 34	50.03.0352	ZTX751S	ZTX 751 S	0	R 69	57.11.3113	11k	MF, 1%, 0207
Q 35	50.03.0352	ZTX751S	ZTX 751 S	0	R 70	57.11.3102	1k0	MF, 1%, 0207
Q 36	50.03.0352	ZTX751S	ZTX 751 S	0	R 71	57.11.3103	10k	MF, 1%, 0207
Q 37 Q 38	50.03.0352 50.03.0352	ZTX751S ZTX751S	ZTX 751 S ZTX 751 S	0	R 72	57.11.3000	0R0	MF, 0207
Q 39	50.03.0352	ZTX751S	ZTX 751 S	0	RZ 1	57.88.4473	8*47k	2%, SIP 9
Q 40	50.03.0352	ZTX751S	ZTX 751 S	0	RZ 2	57.88.4473	8*47k	2%, SIP 9
Q 41	50.03.0352	ZTX751S	ZTX 751 S	0	RZ 3	57.88.4473	8*47k	2%, SIP 9
Q 42	50.03.0352	ZTX751S	ZTX 751 S	0	RZ 4	57.88.4473	8*47k	2%, SIP 9
Q 43	50.03.0352	ZTX751S	ZTX 751 S	0	RZ 5	57.88.4473	8*47k	2%, SIP 9
Q 44	50.03.0352	ZTX751S	ZTX 751 S	0	RZ 6	57.88.2221	4*220R	2%, SIP 8
Q 45	50.03.0352	ZTX751S	ZTX 751 S	0	RZ 7	57.88.2221	4*220R	2%, SIP 8
Q 46	50.03.0352	ZTX751S	ZTX 751 S	0	RZ 8	57.88.2221	4*220R	2%, SIP 8
Q 47	50.03.0352	ZTX751S	ZTX 751 S	0	RZ 9	57.88.2221	4*220R	2%, SIP 8
Q 48	50.03.0352	ZTX751S	ZTX 751 S	0	RZ 10	57.88.4473	8*47k	2%, SIP 9
Q 49	50.03.0352	ZTX751S	ZTX 751 S	0	RZ 11	57.88.2221	4*220R	2%, SIP 8
Q 50 Q 51	50.03.0352	ZTX751S	ZTX 751 S	0	RZ 12 RZ 13	57.88.2221	4*220R	2%, SIP 8
Q 31	50.03.0352	ZTX751S	ZTX 751 S	0	RZ 14	57.88.2221 57.88.2221	4*220R 4*220R	2%, SIP 8 2%, SIP 8
R 1	57.11.3000	0R0	MF, 0207	0	RZ 15	57.88.2221	4*220R	2%, SIP 8
R 2	57.11.3332	3k3	MF. 1%, 0207	ō	RZ 16	57.88.2221	4*220R	2%, SIP 8
R 3	57.11.3102	1k0	MF, 1%, 0207	0	RZ 17	57.88.2221	4*220R	2%, SIP 8
R 4	57.11.3472	4k7	MF, 1%, 0207	0	RZ 18	57.88.2221	4*220R	2%, SIP 8
R 5	57.11,3332	3k3	MF, 1%, 0207					
R 6	57.11.3473	47k	MF, 1%, 0207	0	S 1	55.03.0122	1*a	S 1 TASTE, 1*A, PRINT, IMPULS
R 7	57.11.3103	10k	MF, 1%, 0207	0	S 2	55.01.0168	8*a	SZ , 8*A, DIL
R 8	57.11.3473	47k	MF, 1%, 0207					
R 9	57.92.7013	0.5A	POLY- PTC, 60V	0	XIC 2	53.03.0184	32p	DIL 0.6", löt, gerade
R 10	57.11.3100 57.11.3101	10R	MF, 1%, 0207	0	XIC 3	53.03.0184	32p	DIL 0.6", löt, gerade
R 11 R 12	57.11.3101 57.11.3694	100R 680k	MF, 1%, 0207	0	XIC 4 XIC 5	53.03.0184	32p	DIL 0.6", löt, gerade
R 13	57.11.3684 57.11.3103	10k	MF, 1%, 0207 MF, 1%, 0207	0	XIC 8	53.03.0184 53.03.0165	32p 20p	DIL 0.6", löt, gerade DIL 0.3", löt, gerade
R 14	57.11.3103	10k	MF, 1%, 0207	0	XIC 9	53.03.0168	20p 16p	DIL 0.3", löt, gerade
R 15	57.11.3220	22R	MF, 1%, 0207	0	XIC 18	53.03.0218	1p	single-in-line
R 16	57.11.3332	3k3	MF, 1%, 0207	0	XIC 23	53.03.0218	1p	single-in-line
R 17	57.92.7058	4.0A	POLY- PTC, 30V	0	XIC 24	53.03.0173	28p	DIL 0.6", löt, gerade
R 18	57.11.3103	10k	MF, 1%, 0207	0	XIC 25	53.03.0182	24p	DIL 0.3", löt, gerade
R 19	57.11.3473	47k	MF, 1%, 0207	0	Y 1	89.01.1009	16.000MHz	16.000 000 MHz, HC 49/U
R 20	57.92.7013	0.5A	POLY- PTC, 60V	•		55.57.7000	. 5.555111112	
R 21	57.11.3473	47k	MF, 1%, 0207				End of List	
R 22	57.11.3100	10R	MF, 1%, 0207				01 1.101	
R 23 R 24	57.11.3332	3k3	MF, 1%, 0207		nments:	in hoon about all cases	loohne!	
R 24 R 25	57.11.3332 57.11.3220	3k3 22R	MF, 1%, 0207 MF, 1%, 0207	Proce	:55 UT 82/9 NB	is been changed to CMOS	technology	
R 26	57.11.3220 57.11.3220	22R 22R	MF, 1%, 0207 MF, 1%, 0207					
R 27	57.11.3220	22R 22R	MF, 1%, 0207					
R 28	57.11.3220	22R	MF, 1%, 0207					
R 29	57.11.3220	22R	MF, 1%, 0207					
R 30	57.11.3220	22R	MF, 1%, 0207					
R 31	57.11.3220	22R	MF, 1%, 0207					
R 32	57.11.3220	22R	MF, 1%, 0207					
R 33	57.11.3220	22R	MF, 1%, 0207					
R 34	57.11.3220	22R	MF, 1%, 0207					
R 35	57.11.3101	100R	MF, 1%, 0207					
R 36	57.11.3101	100R	MF, 1%, 0207					
		100R	MF, 1%, 0207					
R 37	57.11.3101							
	57.11.3101 57.11.3101 57.11.3331	100R 100R 330R	MF, 1%, 0207 MF, 1%, 0207					



Channel Controller Board 1.940.756.21

dx. Pos.	Part No.	Qty. Type/Val.	Description	idx.	Pos.	Part No.	Qty. Type/Val.	Description
0 C1	59.22.5221	220u	EL 25V, 20%, RM5	0	IC 4	50.14.1010	TC551001-85	SRAM 128K * 8, 85ns
0 C2	59.06.0104	100n	PETP, 63V, 10%, RM5	0	IC 5	50.14.2009	27C1001	EPROM 128K * 8
0 C3	59.06.0104	100n	PETP, 63V, 10%, RM5					SW HDLC EPROM 1.941.710.xx
0 C4	59.06.0104	100n	PETP, 63V, 10%, RM5	0	IC 6	50.17,1139	74HC139	IC 74 HC 139 ., ,A
0 C5	59.06.5222	2n2	PETP, 63V, 5%, RM5	0	IC 7	50.17.1138	74HC138	IC 74 HC 138 ., ,A
C 6	59.06.0104	100n	PETP, 63V, 10%, RM5	0	IC 8	50.18.0100	PLD16V8	16 V 8 D - 25 LP
D C7	59.22.5221	220u	EL 25V, 20%, RM5	U	10 0	30.10.0100	FEDIOVO	DIP20, SW753 HDLC-GAL (1.940.915.
		100n	PETP, 63V, 10%, RM5	0	IC 9	50.15.0104	MC3486	IC MC 3486 P, DS 3486 N,
	59.06.0104							10 71110
0 C9	59.06.0104	100n	PETP, 63V, 10%, RM5	0	IC 10	50.17.1002	74HC02	IC 74 HC 02 ., ,A
0 C 10	59.06.0104	100n	PETP, 63V, 10%, RM5	0	IC 11	50.17.1032	74HC32	IC 74 HC 32 ., ,A
0 C11	59.06.0104	100n	PETP, 63V, 10%, RM5	0	IC 12	50.09.0101	TL072	IC TL 072 CN ,A
0 C 12	59.06.0104	100n	PETP, 63V, 10%, RM5	0	IC 13	50.17.1014	74HC14	IC 74 HC 14 ., ,A
0 C 13	59.06.0104	100n	PETP, 63V, 10%, RM5					SEE COMMENT
0 C 14	59.06.0104	100n	PETP, 63V, 10%, RM5	0	IC 14	50.17.1123	74HC123	IC 74 HC 123 ., ,A
0 C 15	59.22.6470	47u	EL 40V, 20%, RM5	0	IC 15	50.63.0100	MC68302	IC MC 68 302 FC 16 C ,A
0 C 16		47n	PETP, 63V, 5%, RM5	0	IC 16	50.17.1014	74HC14	IC 74 HC 14 ., ,A
0 C 17		22n	PETP, 63V, 5%, RM5	0	IC 17	50.17.1148	74HC148	IC 74 HC 148 ., ,A
0 C18		27p	CER 63V, 5%, N150	0	IC 18	50.16.0111	8279	IC IP 8279-5, ID 8279-5,
		27p	CER 63V, 5%, N150	0	IC 19	50.17.1244	74HC244	IC 74 HC 244 ., ,A
0 C 20		47u	EL 40V, 20%, RM5	0	IC 20	50.17.1574	74HC574	IC 74 HC 574 ., ,A
0 C 21		470u	EL 10V, 20%, RM5	0	IC 21	50.17.1574	74HC574	IC 74 HC 574 ., ,A
0 C 22	59.06.0104	100n	PETP, 63V, 10%, RM5	0	IC 22	50.17.1574	74HC574	IC 74 HC 574 ., ,A
0 C 23	59.06.5222	2n2	PETP, 63V, 5%, RM5	0	IC 23	50.16.0111	8279	IC IP 8279-5, ID 8279-5,
0 C 24	59.06.0104	100n	PETP, 63V, 10%, RM5	0	IC 24	50.19.0204	ADS7832	
0 C 25		100n	PETP, 63V, 10%, RM5	0	IC 25	50.19.0113	MAX526D	D/A Converter 12 Bit
0 C 26		100n	PETP, 63V, 10%, RM5	0	IC 26	50.17.1032	74HC32	IC 74 HC 32 ., ,A
0 C 27		100n	PETP, 63V, 10%, RM5	0	IC 27	50.17.1138	74HC138	IC 74 HC 138 ., ,A
		470u	EL 10V, 20%, RM5	0	IC 28	50.17.1163	74HC163	IC 74 HC 163 ., ,A
					IC 29			
0 C 29		470u	EL 10V, 20%, RM5	0		50.17.1074	74HC74	IC 74 HC 74 ., ,A
0 C 30		10u	EL 35V, 20%, RM5	0	IC 30	50.17.1138	74HC138	IC 74 HC 138 ., ,A
0 C 31		100n	PETP, 63V, 10%, RM5	0	IC 31	50.17.1138	74HC138	IC 74 HC 138 ., ,A
0 C 32	59.06.0104	100n	PETP, 63V, 10%, RM5	0	IC 32	50.17.1139	74HC139	IC 74 HC 139 ., ,A
0 C 33	59.06.0104	100n	PETP, 63V, 10%, RM5	0	IC 33	50.17.1139	74HC139	IC 74 HC 139 ., ,A
0 C 34		100n	PETP, 63V, 10%, RM5	0	IC 34	50.17.1138	74HC138	iC 74 HC 138 , ,A
0 C 35		10u	EL 35V, 20%, RM5	0	IC 35	50.10.0109	LM337L	IC LM 337 LZ,
0 C 36		100n	PETP, 63V, 10%, RM5	0	IC 36	50.17.1154	74HC154	4-to16 Line driver, DIP 24-300
			PETP, 63V, 10%, RM5	0	IC 37	50.17.1154	74HC154	4-to16 Line driver, DIP 24-300
0 C 37		100n						
0 C 38		100n	PETP, 63V, 5%, RM5	0	IC 38	50.17.1244	74HC244	IC 74 HC 244 ., ,A
0 C 39		47u	EL 40V, 20%, RM5	0	IC 39	50.11.0157	TL7705B	IC TL 7705 BCP,
0 C 40	59.06.0104	100n	PETP, 63V, 10%, RM5	0	IC 40	50.09.0101	TL072	IC TL 072 CN ,A
0 C 41	59.06.0104	100n	PETP, 63V, 10%, RM5	0	IC 41	50.10.0106	TL431	IC TL 431 CLP,
0 C 42	59.06.5105	1u0	PETP, 50V, 5%, RM5					
0 C 43		1u	EL 50V, 20%, RM5	0	J 1	54.25.0005	5p	Buchse, 16A, vertikal, PCB
0 C44		1u	EL 50V, 20%, RM5	0	J 2	54.11.0130	32 pcs 2p	P STIFT,2R WNKL 2 PIN=1 STK.
			PETP, 63V, 5%, RM5	ŭ		0 1.11.0100	02 p00 2p	
		100n		0	1014	54.04.0004	lumman	0.62 * 0.62
0 C46		100p	CER 63V, 5%, N750	0	JSJ 1	54.01.0021	Jumper	0.63 * 0.63mm
0 C 47	59.06.0104	100n	PETP, 63V, 10%, RM5	0	JSJ 2	54.01.0021	Jumper	0.63 * 0.63mm
0 D2	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0	JSJ 3	54.01.0021	Jumper	0.63 * 0.63mm
0 D3	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0	JSJ 6	54.01.0021	Jumper	0.63 * 0.63mm
0 D4	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35					
0 D5	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0	L 1	62.03.0010	48uH	2A Toroid Chocke
0 D6	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35					
				0	MP 1	1.940.753.11	1 mp	CHANNEL CONTROLLER PCB //\
0 D7	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0	MP 2	1.940.753.04	1 mp	NRETIKETTE 5 * 20
0 D8	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0	MP 3	1.101.001.20	1 mp Label	TEXT-ETIK. 5*20 HARDWARE -20
0 D9	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35		MP 4			ESE-WARNSCHILD
0 D10		1N4448	75V, 150mA, 4ns, DO-35	0		43.01.0108	1 mp Label	
0 D1	1 50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0	MP 5	1.010.015.50	1 mp Spacer	ISOLIER-SCHEIBE ZU TO 5
0 D1		1N4448	75V, 150mA, 4ns, DO-35	0	MP 6	not used	2 mp	ROHRNIETE D 2.5*0.15* 9
0 D1:			75V, 150mA, 4ns, DO-35					
0 D1			75V, 150mA, 4ns, DO-35	0	P 2	54.01.0020	1p	Pin 0.63*0.63
0 D1			75V, 150mA, 4ns, DO-35	0	P 3	54.01.0020	1p	Pin 0.63*0.63
			75V, 150mA, 4ns, DO-35	0	P 4	54.01.0020	1p	Pin 0.63*0.63
0 D10				0	P 5	54.01.0020	1p	Pin 0.63*0.63
0 D1		BAT85	200mA, Schottky	0	P6	54.01.0020	1p	Pin 0.63*0.63
0 D1		BAT85	200mA, Schottky	0	P 7	54.01.0020	1p	Pin 0.63*0.63
0 D1			75V, 150mA, 4ns, DO-35					Pin 0.63*0.63
0 D 2	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0	P 8	54.01.0020	1p	
0 D2			75V, 150mA, 4ns, DO-35	0	P 9	54.01.0020	1p	Pin 0.63*0.63
0 D2			75V, 150mA, 4ns, DO-35	0	P 10	54.01.0020	1p	Pin 0.63*0.63
0 D2			75V, 150mA, 4ns, DO-35	0	P 11	54.02.0320	1p	Flatpin, 2.8*0.8mm
0 D2			75V, 150mA, 4ns, DO-35	0	P 12	54.01,0020	1p	Pin 0.63*0.63
0 D2			75V, 150mA, 4ns, DO-35	0	P 13	54.01.0020	1p	Pin 0.63*0.63
				0	P 14	54.01.0020	1p	Pin 0.63*0.63
0 D2			75V, 150mA, 4ns, DO-35	0	P 15	54.01.0020	1p	Pin 0.63*0.63
0 D2	7 50.04.0127	BAT85	200mA, Schottky	0	P 16	54.01.0020	1p	Pin 0.63*0.63
				0	P 17	54.01.0020	1p	Pin 0.63*0.63
0 DL	1 50.04.2129	LS3360	DL LS 3360 , RT DIFF					
0 DL	2 50.04.2129	LS3360	DL LS 3360, RT DIFF	0	P 18	54.01.0020	1p	Pin 0.63*0.63
0 DL			DL LS 3360 , RT DIFF	0	P 19	54.01.0020	1p	Pin 0.63*0.63
0 DL			DL LS 3360 , RT DIFF	0	P 20	54.14.2102	16 p	P STECKER 16 P,AU,VR,GERADE
				0	P 21	54.14.2103	20p	P STECKER 20 P,AU,VR,GERADE
0 DL			DL LG 3360 , GN DIFF	0	P 22	54.14.2001	10p	1/20" Au, gerade, ohne Verrieg
0 DL	6 50.04.2130	LY3360	DL LY 3360 , GB DIFF	0	P 23	54.16.0540	40p	P 1/40", 40 P, AU, PRINT
								P 1/40", 34 P, AU, PRINT
0 DV	1 50.04.1511	6V2	Zener, 5%, 1.3W, DO-41	0	P 24	54.16.0534	34p	
				0	P 25	54.16.0540	40p	P 1/40", 40 P, AU, PRINT
	50.17.1086	74HC86	IC 74 HC 86 ., ,A	0	P 26	54.14.2102	16p	P STECKER 16 P,AU,VR,GERADE
0 IC 1								
		27C1001	EPROM 128K * 8					
0 IC 2		27C1001	EPROM 128K * 8 SW HDLC EPROM 1.941.710.xx	0	Q 1	50.03.1554	VP0808M	VP 0808 M





Channel Controller Board 1.940.756.21

x. Pos.	Part No.	Qty.	Type/Val.	Description	ldx	Pos.	Part No.	Qty.	Type/Val.	Description
Q 3	50.43.0340			Q BC 337-25,	0	R 38	57.11.3101		100R	MF, 1%, 0207
Q 4	50.03.0523		ZTX651	ZTX 651	0	R 39	57.11.3331		330R	MF, 1%, 0207
Q 5	50.03.0523		ZTX651	ZTX 651	0	R 40	57.11.3331		330R	MF, 1%, 0207
Q 6	50.03.0523		ZTX651	ZTX 651	0	R 41	57.11.3101		100R	MF, 1%, 0207
Q 7	50.03.0523		ZTX651	ZTX 651	0	R 42	57.11.3101		100R	MF, 1%, 0207
Q 8	50.03.0523		ZTX651	ZTX 651	0	R 43	57.11.3101			
Q 9									100R	MF, 1%, 0207
	50.03.0523		ZTX651	ZTX 651	0	R 44	57.11.3101		100R	MF, 1%, 0207
Q 10			ZTX651	ZTX 651	0	R 45	57.11.3271		270R	MF, 1%, 0207
Q 11			ZTX651	ZTX 651	0	R 46	57.11.3821		820R	MF, 1%, 0207
Q 12	50.03.0523		ZTX651	ZTX 651	0	R 47	57.11.3473		47k	MF, 1%, 0207
Q 13	50.03.0523		ZTX651	ZTX 651	0	R 48	57.11.3220		22R	MF, 1%, 0207
Q 14	50.03.0523		ZTX651	ZTX 651	0	R 49	57.11.3220		22R	MF, 1%, 0207
Q 15			ZTX651	ZTX 651	0	R 50	57.11.3220		22R	MF, 1%, 0207
Q 16					0	R 51				
Q 17			ZTX651	ZTX 651			57.11.3220		22R	MF, 1%, 0207
			ZTX651	ZTX 651	0	R 52	57.11.3220		22R	MF, 1%, 0207
Q 18			ZTX651	ZTX 651	0	R 53	57.11.3220		22R	MF, 1%, 0207
Q 19			ZTX651	ZTX 651	0	R 54	57.11.3332		3k3	MF, 1%, 0207
Q 20	50.03.0352		ZTX751S	ZTX 751 S	0	R 55	57.11.3332		3k3	MF, 1%, 0207
Q 21	50.03.0352		ZTX751S	ZTX 751 S	0	R 56	57.11.3221		220R	MF, 1%, 0207
Q 22			ZTX751S	ZTX 751 S	. 0	R 57	57.11.3101		100R	MF, 1%, 0207
Q 23			ZTX751S	ZTX 751 S	0	R 58	57.11.3101		100R	MF, 1%, 0207
Q 24			ZTX751S	ZTX 751 S	ō	R 59	57.11.3101			
Q 25					0	R 60			100R	MF, 1%, 0207
			ZTX751S	ZTX 751 S			57.11.3101		100R	MF, 1%, 0207
Q 26			ZTX751S	ZTX 751 S	0	R 61	57.11.3100		10R	MF, 1%, 0207
Q 27			ZTX751S	ZTX 751 S	0	R 62	57.11.3332		3k3	MF, 1%, 0207
Q 28			ZTX751S	ZTX 751 S	0	R 63	57.11.3271		270R	MF, 1%, 0207
Q 29	50.03.0352		ZTX751S	ZTX 751 S	0	R 64	57.11.3271		270R	MF, 1%, 0207
Q 30			ZTX751S	ZTX 751 S	0	R 65	57.11.3271		270R	MF, 1%, 0207
Q 31			ZTX751S	ZTX 751 S	0	R 66	57.11.3271		270R	MF, 1%, 0207
Q 32				ZTX 751 S	ō	R 67	57.11.3101			
			ZTX751S		0				100R	MF, 1%, 0207
Q 33			ZTX751S	ZTX 751 S		R 68	57.11.3103		10k	MF, 1%, 0207
Q 34			ZTX751S	ZTX 751 S	0	R 69	57.11.3113		11k	MF, 1%, 0207
Q 35	50.03.0352		ZTX751S	ZTX 751 S	0	R 70	57.11.3102		1k0	MF, 1%, 0207
Q 36	50.03.0352		ZTX751S	ZTX 751 S	0	R 71	57.11.3103		10k	MF, 1%, 0207
Q 37	50.03.0352		ZTX751S	ZTX 751 S	0	R 72	57.11.3000		0R0	MF, 0207
Q 38			ZTX751S	ZTX 751 S						•
Q 39			ZTX751S	ZTX 751 S	0	RZ 1	57.88.4473		8*47k	2%, SIP 9
Q 40					0	RZ 2	57.88.4473			
			ZTX751S	ZTX 751 S					8*47k	2%, SIP 9
Q 41	50.03.0352		ZTX751S	ZTX 751 S	0	RZ 3	57.88.4473		8*47k	2%, SIP 9
Q 42			ZTX751S	ZTX 751 S	0	RZ 4	57.88.4473		8*47k	2%, SIP 9
Q 43	50.03.0352		ZTX751S	ZTX 751 S	0	RZ 5	57.88.4473		8*47k	2%, SIP 9
Q 44	50.03.0352		ZTX751S	ZTX 751 S	0	RZ 6	57.88.2221		4*220R	2%, SIP 8
Q 45	50.03.0352		ZTX751S	ZTX 751 S	0	RZ 7	57.88.2221		4*220R	2%, SIP 8
Q 46			ZTX751S	ZTX 751 S	0	RZ 8	57.88.2221		4*220R	2%, SIP 8
Q 47			ZTX7518		0	RZ 9	57.88.2221		4*220R	
				ZTX 751 S	0	RZ 10				2%, SIP 8
Q 48			ZTX751S	ZTX 751 S			57.88.4473		8*47k	2%, SIP 9
Q 49			ZTX751S	ZTX 751 S	0	RZ 11	57.88.2221		4*220R	2%, SIP 8
Q 50	50.03.0352		ZTX751S	ZTX 751 S	0	RZ 12	57.88.2221		4*220R	2%, SIP 8
Q 51	50.03.0352		ZTX751S	ZTX 751 S	0	RZ 13	57.88.2221		4*220R	2%, SIP 8
					0	RZ 14	57.88.2221		4*220R	2%, SIP 8
R 1	57.11.3000		0R0	MF, 0207	0	RZ 15	57.88.2221		4*220R	2%, SIP 8
R 2	57.11.3332		3k3	MF, 1%, 0207	0	RZ 16	57.88.2221		4*220R	2%, SIP 8
R3					0	RZ 17				
	57.11.3102		1k0	MF, 1%, 0207			57.88.2221		4*220R	2%, SIP 8
R 4	57.11.3472		4k7	MF, 1%, 0207	0	RZ 18	57.88.2221		4*220R	2%, SIP 8
R 5	57.11.3332		3k3	MF, 1%, 0207						
R 6	57.11.3473		47k	MF, 1%, 0207	0	S 1	55.03.0122		1*a	S 1 TASTE, 1*A, PRINT, IMPULS
R 7	57.11.3103		10k	MF, 1%, 0207	0	S 2	55.01.0168		8*a	SZ ,8*A, DIL
R 8	57.11.3473		47k	MF, 1%, 0207						
R 9	57.92.7013		0.5A	POLY- PTC, 60V	0	XIC 2	53.03.0184		32p	DIL 0.6", löt, gerade
R 10			10R	MF, 1%, 0207	0	XIC-3	53.03.0184		32p	DIL 0.6", löt, gerade
					0	XIC 4	53.03.0184			
R 11	57.11.3101		100R	MF, 1%, 0207					32p	DIL 0.6", löt, gerade
R 12			680k	MF, 1%, 0207	0	XIC 5	53.03.0184		32p	DIL 0.6", löt, gerade
R 13	57.11.3103		10k	MF, 1%, 0207	0	XIC 8	53.03.0165		20p	DIL 0.3", löt, gerade
R 14	57.11.3103		10k	MF, 1%, 0207	0	XIC 9	53.03.0168		16p	DIL 0.3", löt, gerade
R 15			22R	MF, 1%, 0207	0	XIC 18	53.03.0218		1p	single-in-line
R 16			3k3	MF, 1%, 0207	0	XIC 23	53.03.0218		1p	single-in-line
R 17			4.0A	POLY- PTC, 30V	0	XIC 24	53.03.0173		28p	DIL 0.6", löt, gerade
R 18			10k	MF, 1%, 0207	U	XIC 25	53.03.0182	:	24p	DIL 0.3", löt, gerade
R 19			47k	MF, 1%, 0207						
R 20			0.5A	POLY- PTC, 60V	0	Y 1	89.01.1009		16.000MHz	16.000 000 MHz, HC 49/U
R 21	57.11.3473		47k	MF, 1%, 0207						
R 22	57.11.3100		10R	MF, 1%, 0207	A1112				End of Lis	1
R 23			3k3	MF, 1%, 0207					-Lad Of LIS	
R 24			3k3	MF, 1%, 0207		ments				
R 25			22R		IC13:					
				MF, 1%, 0207	BEF		SERT, CUT PIN 2			
R 26			22R	MF, 1%, 0207			PIN 1 AND PIN 2 O		ERING SIDE.	
R 27			22R	MF, 1%, 0207						
R 28	57.11.3220		22R	MF, 1%, 0207						
R 29			22R	MF, 1%, 0207						
R 30			22R	MF, 1%, 0207						
R 31			22R	MF, 1%, 0207						
R 32			22R	MF, 1%, 0207						
	57.11.3220		22R	MF, 1%, 0207						
R 33			22R	MF, 1%, 0207						
	57.11.3220									
R 33 R 34			100R	MF. 1%, 0207						
R 33 R 34 R 35	57.11.3101		100R 100R	MF, 1%, 0207 MF, 1%, 0207						
R 33 R 34	57.11.3101 57.11.3101		100R 100R 100R	MF, 1%, 0207 MF, 1%, 0207 MF, 1%, 0207						



Channel Controller Board 1.940.764.21

1X.	Pos.	Part No.	Qty.	Type/Val.	Description	ldx.	Pos.	Part No.	Qty.	Type/Val.	Description
0	C 1	59.22.5221		220u	EL 25V, 20%, RM5	0	IC 4	50.14.1010		TC551001-85	SRAM 128K * 8, 85ns
0	C 2	59.06.0104		100n	PETP, 63V, 10%, RM5	0	IC 5	50.14.2009		27C1001	EPROM 128K * 8
0	C 3	59.06.0104		100n	PETP, 63V, 10%, RM5						SW HDLC EPROM 1.941.760.xx
0	C 4	59.06.0104		100n	PETP, 63V, 10%, RM5	0	IC 6	50.17.1139		74HC139	IC 74 HC 139 ., ,A
)	C 5	59.06.5222		2n2	PETP, 63V, 5%, RM5	0	IC 7	50.17.1138		74HC138	IC 74 HC 138 ., ,A
)	C 6	59.06.0104		100n	PETP, 63V, 10%, RM5	0	IC8	50.18.0100		PLD16V8	16 V 8 D - 25 LP
)	C 7	59.22.5221		220u	EL 25V, 20%, RM5						DIP20, SW753 HDLC-GAL (1.940.915.
3	C 8	59.06.0104		100n	PETP, 63V, 10%, RM5	0	IC 9	50.15.0104		MC3486	IC MC 3486 P, DS 3486 N,
)	C 9	59.06.0104		100n	PETP, 63V, 10%, RM5	0	IC 10	50.17.1002		74HC02	IC 74 HC 02 ., ,A
)	C 10	59.06.0104		100n	PETP, 63V, 10%, RM5	0	IC 11	50.17.1032		74HC32	IC 74 HC 32 ., A
0	C 11	59.06.0104		100n	PETP, 63V, 10%, RM5	0	IC 12	50.09.0101		TL072	IC TL 072 CN ,A
)	C 12	59.06.0104		100n	PETP, 63V, 10%, RM5	0	IC 13	50.17.1014		74HC14	IC 74 HC 14 ., ,A
)	C 13	59.06.0104		100n	PETP, 63V, 10%, RM5						SEE COMMENT
0	C 14	59.06.0104		100n	PETP, 63V, 10%, RM5	0	IC 14	50.17.1123		74HC123	IC 74 HC 123 ., ,A
כ	C 15	59.22.6470		47u	EL 40V, 20%, RM5	0	IC 15	50.63.0100		MC68302	IC MC 68 302 FC 16 C ,A
0	C 16	59.06.5473		47n	PETP, 63V, 5%, RM5	0	IC 16	50.17.1014		74HC14	IC 74 HC 14 ., ,A
)	C 17	59.06.5223		22n	PETP, 63V, 5%, RM5	0	IC 17	50.17.1148		74HC148	IC 74 HC 148., ,A
0	C 18	59.34.2270		27p	CER 63V, 5%, N150	0	IC 18	50.16.0111		8279	IC IP 8279-5, ID 8279-5,
)	C 19	59.34.2270		27p	CER 63V, 5%, N150	0	IC 19	50.17.1244		74HC244	IC 74 HC 244 ., ,A
0	C 20	59.22.6470		47u	EL 40V, 20%, RM5	0	IC 20	50.17.1574		74HC574	IC 74 HC 574 ., ,A
)	C 21	59.22.3471		470u	EL 10V, 20%, RM5	0	IC 21	50.17.1574		74HC574	IC 74 HC 574 ., ,A
0	C 22	59.06.0104		100n	PETP, 63V, 10%, RM5	0	IC 22	50.17.1574		74HC574	' '
5	C 23	59.06.5222		2n2	PETP, 63V, 10%, RM5	0	IC 23	50.16.0111		8279	IC 74 HC 574 ., ,A IC IP 8279-5, ID 8279-5,
0	C 24	59.06.0104		100n	PETP, 63V, 10%, RM5	0	IC 24	50.19.0204		ADS7832	10 11 02/3-0, 10 02/3-0,
0	C 25					0					D/A Converter 12 Pit
))		59.06.0104		100n	PETP, 63V, 10%, RM5		IC 25	50.19.0113		MAX526D	D/A Converter 12 Bit
	C 26	59.06.0104		100n	PETP, 63V, 10%, RM5	0	IC 26	50.17.1032		74HC32	IC 74 HC 32 ., ,A
)	C 27	59.06.0104		100n	PETP, 63V, 10%, RM5	0	IC 27	50.17.1138		74HC138	IC 74 HC 138 ., ,A
)	C 28	59.22.3471		470u	EL 10V, 20%, RM5	0	IC 28	50.17.1163		74HC163	IC 74 HC 163 ., ,A
)	C 29	59.22.3471		470u	EL 10V, 20%, RM5	0	IC 29	50.17.1074		74HC74	IC 74 HC 74 ., ,A
)	C 30	59.22.6100		10u	EL 35V, 20%, RM5	0	IC 30	50.17.1138		74HC138	IC 74 HC 138 ., ,A
)	C 31	59.06.0104		100n	PETP, 63V, 10%, RM5	0	IC 31	50.17.1138		74HC138	IC 74 HC 138 ., ,A
)	C 32	59.06.0104		100n	PETP, 63V, 10%, RM5	0	IC 32	50.17.1139		74HC139	IC 74 HC 139 ., ,A
)	C 33	59.06.0104		100n	PETP, 63V, 10%, RM5	0	IC 33	50.17.1139		74HC139	IC 74 HC 139 ., ,A
)	C 34	59.06.0104		100n	PETP, 63V, 10%, RM5	0	IC 34	50.17.1138		74HC138	IC 74 HC 138 ., ,A
)	C 35	59.22.6100		10u	EL 35V, 20%, RM5	0	IC 35	50.10.0109		LM337L	IC LM 337 LZ,
)	C 36	59.06.0104		100n	PETP, 63V, 10%, RM5	0	IC 36	50.17.1154		74HC154	4-to16 Line driver, DIP 24-300
	C 37	59.06.0104		100n	PETP, 63V, 10%, RM5	0	IC 37	50.17.1154		74HC154	4-to16 Line driver, DIP 24-300
	C 38	59.06.5104		100n	PETP, 63V, 5%, RM5	0	IC 38	50.17.11244		74HC244	IC 74 HC 244 ., ,A
)	C 39	59.22.6470		47u	EL 40V, 20%, RM5	0	IC 39	50.11.0157		TL7705B	IC TI. 7705 BCP,
	C 40	59.06.0104		100n	PETP, 63V, 10%, RM5	0	IC 40	50.09.0101			
	C 41					0	IC 40			TL072	IC TL 072 CN ,A
)		59.06.0104		100n	PETP, 63V, 10%, RM5	U	10 41	50.10.0106		TL431	IC TL 431 CLP,
)	C 42	59.06.5105		1u0	PETP, 50V, 5%, RM5	_	14	E4050005		F.,	Duebes 404
כ	C 43	59.22.8109		1u	EL 50V, 20%, RM5	0	J 1	54.25,0005		5p	Buchse, 16A, vertikal, PCB
0	C 44	59.22.8109		1u	EL 50V, 20%, RM5	0	J 2	54.11.2010		64p	EU-Q 2*32p
)	C 45	59.06.5104		100n	PETP, 63V, 5%, RM5						
0	C 46	59.34.4101		100p	CER 63V, 5%, N750	0	JSJ 1	54.01.0021		Jumper	0.63 * 0.63mm
0	C 47	59.06.0104		100n	PETP, 63V, 10%, RM5	0	JSJ 2	54.01.0021		Jumper	0.63 * 0.63mm
0	D 2	50.04.0125		1N4448	75V, 150mA, 4ns, DO-35	0	JSJ 3	54.01.0021		Jumper	0.63 * 0.63mm
0	D 3	50.04.0125		1N4448	75V, 150mA, 4ns, DO-35	0	JSJ 6	54.01.0021		Jumper	0.63 * 0.63mm
)	D 4	50.04.0125		1N4448	75V, 150mA, 4ns, DO-35						
0	D 5	50.04.0125		1N4448	75V, 150mA, 4ns, DO-35	0	L 1	62.03.0010		48uH	2A Toroid Chocke
)	D 6	50.04.0125		1N4448	75V, 150mA, 4ns, DO-35						
5	D 7	50.04.0125		1N4448	75V, 150mA, 4ns, DO-35	0	MP 1	1.940.753.11	1 mp		CHANNEL CONTROLLER PCB //\
0	D 8	50.04.0125		1N4448	75V, 150mA, 4ns, DO-35	0	MP 2	1.940.753.04	1 mp		NRETIKETTE 5 * 20
2	D9					0	MP 3	1.101.001.20	1 mp	Label	TEXT-ETIK. 5*20 HARDWARE -20
0		50.04.0125		1N4448	75V, 150mA, 4ns, DO-35	0	MP 4	43.01.0108	1 mp	Label	ESE-WARNSCHILD
	D 10	50.04.0125		1N4448	75V, 150mA, 4ns, DO-35	0	MP 5	1.010.015.50		Spacer	ISOLIER-SCHEIBE ZU TO 5
)	D 11	50.04.0125		1N4448	75V, 150mA, 4ns, DO-35	0	MP 6		1 mp	- pacei	
)	D 12	50.04.0125		1N4448	75V, 150mA, 4ns, DO-35	U	IVIT D	28.99.0119	2 mp		ROHRNIETE D 2.5*0.15* 9
1	D 13	50.04.0125		1N4448	75V, 150mA, 4ns, DO-35	_	D 0	E 4 04 0000		4-	Bi- 0 0010 00
)	D 14	50.04.0125		1N4448	75V, 150mA, 4ns, DO-35	0	P2	54.01.0020		1p	Pin 0.63*0.63
)	D 15	50.04.0125		1N4448	75V, 150mA, 4ns, DO-35	0	P 3	54.01.0020		1p	Pin 0.63*0.63
)	D 16	50.04.0125		1N4448	75V, 150mA, 4ns, DO-35	0	P4	54.01.0020		1p	Pin 0.63*0.63
1	D 17	50.04.0127		BAT85	200mA, Schottky	0	P 5	54.01.0020		1p	Pin 0.63*0.63
	D 18	50.04.0127		BAT85	200mA, Schottky	0	P 6	54.01.0020		1p	Pin 0.63*0.63
	D 19	50.04.0125		1N4448	75V, 150mA, 4ns, DO-35	0	P 7	54.01.0020		1p	Pin 0.63*0.63
	D 20	50.04.0125		1N4448	75V, 150mA, 4ns, DO-35	0	P 8	54.01.0020		1p	Pin 0.63*0.63
)	D 21	50.04.0125		1N4448	75V, 150mA, 4ns, DO-35	0	P 9	54.01.0020		1p	Pin 0.63*0.63
)	D 22	50.04.0125		1N4448	75V, 150mA, 4ns, DO-35	0	P 10	54.01.0020		1p	Pin 0.63*0.63
)	D 23	50.04.0125		1N4448	75V, 150mA, 4ns. DO-35	0	P 11	54.02.0320		1p	Flatpin, 2.8*0.8mm
)	D 24	50.04.0125		1N4448	75V, 150mA, 4ns, DO-35	0	P 12	54.01.0020		1p	Pin 0.63*0.63
)	D 25					0	P 13	54.01.0020		1p	Pin 0.63*0.63
)		50.04.0125		1N4448	75V, 150mA, 4ns, DO-35	0	P 14	54.01.0020		1p	Pin 0.63*0.63
	D 26	50.04.0125		1N4448	75V, 150mA, 4ns, DO-35	0	P 15	54.01.0020			Pin 0.63*0.63
)	D 27	50.04.0127		BAT85	200mA, Schottky	0	P 16			1p	
	ъ.							54.01.0020		1p	Pin 0.63*0.63
)	DL 1	50.04.2129		LS3360	DL LS 3360 , RT DIFF	0	P 17	54.01.0020		1p	Pin 0.63*0.63
)	DL 2	50.04.2129		LS3360	DL LS 3360, RT DIFF	0	P 18	54.01.0020		1p	Pin 0.63*0.63
)	DL 3	50.04.2129		LS3360	DL LS 3360, RT DIFF	0	P 19	54.01.0020		1p	Pin 0.63*0.63
)	DL 4	50.04.2129		LS3360	DL LS 3360 , RT DIFF	0	P 20	54.14.2102		16p	P STECKER 16 P,AU,VR,GERADE
1	DL 5	50.04.2131		LG3360	DL LG 3360 , GN DIFF	0	P 21	54.14.2103		20p	P STECKER 20 P,AU,VR,GERADE
)	DL 6	50.04.2130		LY3360	DL LY 3360 , GB DIFF	0	P 22	54.14.2001		10p	1/20" Au, gerade, ohne Verrieg
		30.0		5000		0	P 23	54.16.0540		40p	P 1/40", 40 P, AU, PRINT
	DV 1	50 04 4644		6V2	Zener 5% 1.3W DO 41	0	P 24	54.16.0534		34p	P 1/40", 34 P, AU, PRINT
1	ויים	50.04.1511		UV2	Zener, 5%, 1.3W, DO-41	0	P 25	54.16.0540		40p	P 1/40", 40 P, AU, PRINT
)				741000	10 74410.00	0	P 26	54.14.2102		40p 16p	P STECKER 16 P,AU,VR,GERADE
0	10.4	FA 1				1.1		J4. 14.7.1U/		iun	
)	IC 1	50.17.1086		74HC86	IC 74 HC 86 ., ,A	v					· CIECULE CONTROL CONTROL
	IC 1 IC 2	50.17.1086 50.14.2009		27C1001	EPROM 128K * 8 SW HDLC EPROM 1.941.760.xx	0	Q 1	50.03.1554		VP0808M	VP 0808 M

Channel Controller Board 1.940.764.21

. Pos.	Part No.	Qty. Type/Val.	Description	<u></u>	c. Pos.	Part No.	Qty. Type/Val.	Description
Q3	50.43.0340		Q BC 337-25,	0	R 38	57.11.3101	100R	MF, 1%, 0207
Q 4	50.03.0523	ZTX651	ZTX 651	0	R 39	57.11.3331	330R	MF, 1%, 0207
Q 5	50.03.0523	ZTX651	ZTX 651	0	R 40	57.11.3331	330R	MF, 1%, 0207
Q 6	50.03.0523	ZTX651	ZTX 651	0	R 41	57.11.3101	100R	MF, 1%, 0207
Q 7	50.03.0523	ZTX651	ZTX 651	0	R 42	57.11.3101	100R	MF, 1%, 0207
Q 8	50.03.0523	ZTX651	ZTX 651	0	R 43			MF, 1%, 0207
Q 9	50.03.0523					57.11.3101	100R	
		ZTX651	ZTX 651	0	R 44	57.11.3101	100R	MF, 1%, 0207
Q 10	50.03.0523	ZTX651	ZTX 651	0	R 45	57.11.3271	270R	MF, 1%, 0207
Q 11	50.03.0523	ZTX651	ZTX 651	0	R 46	57.11.3821	820R	MF, 1%, 0207
Q 12	50.03.0523	ZTX651	ZTX 651	0	R 47	57.11.3473	47k	MF, 1%, 0207
Q 13	50.03.0523	ZTX651	ZTX 651	0	R 48	57.11.3220	22R	MF, 1%, 0207
Q 14	50.03.0523	ZTX651	ZTX 651	0	R 49	57.11.3220	22R	MF, 1%, 0207
Q 15	50.03.0523	ZTX651	ZTX 651	0	R 50	57.11.3220	22R	MF, 1%, 0207
Q 16	50.03.0523	ZTX651	ZTX 651	0	R 51	57.11.3220	22R	MF, 1%, 0207
Q 17	50.03.0523	ZTX651	ZTX 651					
Q 18				0	R 52	57.11.3220	22R	MF, 1%, 0207
	50.03.0523	ZTX651	ZTX 651	0	R 53	57.11.3220	22R	MF, 1%, 0207
Q 19	50.03.0523	ZTX651	ZTX 651	0	R 54	57.11.3332	3k3	MF, 1%, 0207
Q 20	50.03.0352	ZTX751S	ZTX 751 S	0	R 55	57.11.3332	3k3	MF, 1%, 0207
Q 21	50.03.0352	ZTX751S	ZTX 751 S	0	R 56	57.11.3221	220R	MF, 1%, 0207
Q 22	50.03.0352	ZTX751S	ZTX 751 S	0	R 57	57.11.3101	100R	MF, 1%, 0207
Q 23	50.03.0352	ZTX751S	ZTX 751 S	0	R 58	57.11.3101	100R	MF, 1%, 0207
Q 24	50.03.0352	ZTX751S	ZTX 751 S	0	R 59	57,11,3101	100R	MF, 1%, 0207
Q 25	50.03.0352	ZTX751S	ZTX 751 S	0	R 60	57.11.3101		
Q 26	50.03.0352	ZTX7518	ZTX 751 S	0			100R	MF, 1%, 0207
Q 27			ZTX 751 S		R 61	57.11.3100	10R	MF, 1%, 0207
	50.03.0352	ZTX751S		0	R 62	57.11.3332	3k3	MF, 1%, 0207
Q 28	50.03.0352	ZTX751S	ZTX 751 S	0	R 63	57.11.3271	270R	MF, 1%, 0207
Q 29	50.03.0352	ZTX751S	ZTX 751 S	0	R 64	57.11.3271	270R	MF, 1%, 0207
Q 30	50.03.0352	ZTX751S	ZTX 751 S	0	R 65	57.11.3271	270R	MF, 1%, 0207
Q 31	50.03.0352	ZTX751S	ZTX 751 S	0	R 66	57.11.3271	270R	MF, 1%, 0207
Q 32	50.03.0352	ZTX751S	ZTX 751 S	0	R 67	57.11.3101	100R	MF, 1%, 0207
Q 33	50.03.0352	ZTX751S	ZTX 751 S	0	R 68	57.11.3103	10k	MF, 1%, 0207
Q 34	50.03.0352	ZTX751S	ZTX 751 S	0	R 69	57.11.3103		
Q 35	50.03.0352	ZTX751S	ZTX 751 S				11k	MF, 1%, 0207
				0	R 70	57.11.3102	1k0	MF, 1%, 0207
Q 36	50.03.0352	ZTX751S	ZTX 751 S	0	R 71	57.11.3103	10k	MF, 1%, 0207
Q 37	50.03.0352	ZTX751S	ZTX 751 S	0	R 72	57.11.3000	0R0	MF, 0207
Q 38	50.03.0352	ZTX751S	ZTX 751 S					
Q 39	50.03.0352	ZTX751S	ZTX 751 S	0	RZ 1	57.88.4473	8*47k	2%, SIP 9
Q 40	50.03.0352	ZTX751S	ZTX 751 S	0	RZ 2	57.88.4473	8*47k	2%, SIP 9
Q 41	50.03.0352	ZTX751S	ZTX 751 S	0	RZ3	57.88.4473	8*47k	2%, SIP 9
Q 42	50.03.0352	ZTX751S	ZTX 751 S	0	RZ 4	57.88.4473	8*47k	2%, SIP 9
Q 43	50.03.0352	ZTX751S	ZTX 751 S	0	RZ 5			
Q 44	50.03.0352		ZTX 751 S			57.88.4473	8*47k	2%, SIP 9
		ZTX751S		0	RZ 6	57.88.2221	4*220R	2%, SIP 8
Q 45	50.03.0352	ZTX751S	ZTX 751 S	0	RZ7	57.88.2221	4*220R	2%, SIP 8
Q 46	50.03.0352	ZTX751S	ZTX 751 S	0	RZ8	57.88.2221	4*220R	2%, SIP 8
Q 47	50.03.0352	ZTX751S	ZTX 751 S	0	RZ 9	57.88.2221	4*220R	2%, SIP 8
Q 48	50.03.0352	ZTX751S	ZTX 751 S	0	RZ 10	57.88.4473	8*47k	2%, SIP 9
Q 49	50.03.0352	ZTX751S	ZTX 751 S	0	RZ 11	57.88.2221	4*220R	2%, SIP 8
Q 50	50.03.0352	ZTX751S	ZTX 751 S	0	RZ 12		4*220R	2%, SIP 8
Q 51	50.03.0352	ZTX751S	ZTX 751 S	0	RZ 13	57.88.2221	4*220R	2%, SIP 8
	00.00.0002	27/1010	2121010	Ö	RZ 14			
D 4	E7 44 2000	000	ME 0007	-		57.88.2221	4*220R	2%, SIP 8
R 1	57.11.3000	0R0	MF, 0207	0	RZ 15	57.88.2221	4*220R	2%, SIP 8
R 2	57.11.3332	3k3	MF, 1%, 0207	0	RZ 16	57.88.2221	4*220R	2%, SIP 8
R 3	57.11.3102	1k0	MF, 1%, 0207	0	RZ 17	57.88.2221	4*220R	2%, SIP 8
R 4	57.11.3472	4k7	MF, 1%, 0207	0	RZ 18	57.88.2221	4*220R	2%, SIP 8
R 5	57.11.3332	3k3	MF, 1%, 0207					
R 6	57.11.3473	47k	MF, 1%, 0207	0	S 1	55.03.0122	1*a	S 1 TASTE, 1*A, PRINT, IMPULS
R 7	57.11.3103	10k	MF, 1%, 0207	n	S 2	55.01.0168	8*a	
R8	57.11.3473	47k	MF, 1%, 0207	· ·	-	_ 5.5 , .5 100	0 2	SZ , 8*A, DIL
R9	57.92.7013	0.5A	POLY- PTC, 60V	0	XIC 2	E2 02 0404	20-	DU OC" IEL .
R 10						53.03.0184	32p	DIL 0.6", löt, gerade
	57.11.3100	10R	MF, 1%, 0207	0	XIC 3	53.03.0184	32p	DIL 0.6", löt, gerade
R 11	57.11.3101	100R	MF, 1%, 0207	0	XIC 4	53.03.0184	32p	DIL 0.6", löt, gerade
R 12	57.11.3684	68 0 k	MF, 1%, 0207	0	XIC 5	53.03.0184	32p	DIL 0.6", löt, gerade
R 13	57.11.3103	10k	MF, 1%, 0207	0	XIC 8	53.03.0165	20p	DIL 0.3", löt, gerade
R 14	57.11.3103	10k	MF, 1%, 0207	0	XIC 9	53.03.0168	16p	DIL 0.3", löt, gerade
R 15	57.11.3220	22R	MF, 1%, 0207	0	XIC 18		1p	single-in-line
R 16	57.11.3332	3k3	MF, 1%, 0207	0	XIC 23		1p	•
R 17	57.92.7058	4.0A	POLY- PTC, 30V	0	XIC 24			single-in-line
R 18	57.11.3103	10k	MF, 1%, 0207				28p	DIL 0.6", löt, gerade
				0	XIC 25	53.03.0182	24p	DIL 0.3", löt, gerade
R 19	57.11.3473	47k	MF, 1%, 0207					
R 20	57.92.7013	0.5A	POLY- PTC, 60V	0	Y 1	89.01.1009	16.000MHz	16.000 000 MHz, HC 49/U
R 21	57.11.3473	47k	MF, 1%, 0207					
R 22	57.11.3100	10R	MF, 1%, 0207				End of Li	st
R 23	57.11.3332	3k3	MF, 1%, 0207				- Lilu Of Li	
R 24	57.11.3332	3k3	MF, 1%, 0207	Co	mments			
R 25	57.11.3220	22R	MF, 1%, 0207	IC13				
R 26	57.11.3220	22R	MF, 1%, 0207	BE	FORE II	ISERT, CUT PIN 2.		
							N SOLDERING SIDE.	
R 27	57.11.3220	22R	MF, 1%, 0207					
R 28	57.11.3220	22R	MF, 1%, 0207					
R 29	57.11.3220	22R	MF, 1%, 0207					
R 30	57.11.3220	22R	MF, 1%, 0207					
R 31	57.11.3220	22R	MF, 1%, 0207					
R 32	57.11.3220	22R	MF, 1%, 0207					
R 33	57.11.3220	22R	MF, 1%, 0207					
	57.11.3220	22R	MF, 1%, 0207					
R 34		100R	MF, 1%, 0207					
R 35	57.11.3101							
	57.11.3101 57.11.3101	100R	MF, 1%, 0207					

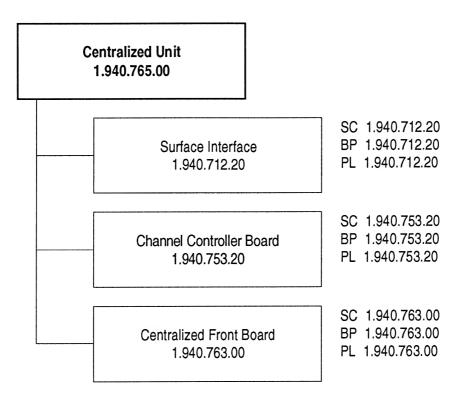
SCHEMATA / CIRCUIT DIAGRAMS

Centralized Unit

Centralized Unit	1.940.765.00
Surface Interface	1.940.712.20
Channel Controller Board	1.940.753.20
Centralized Front Board	1.940.763.00

Edition: 16.12.96 Section 3

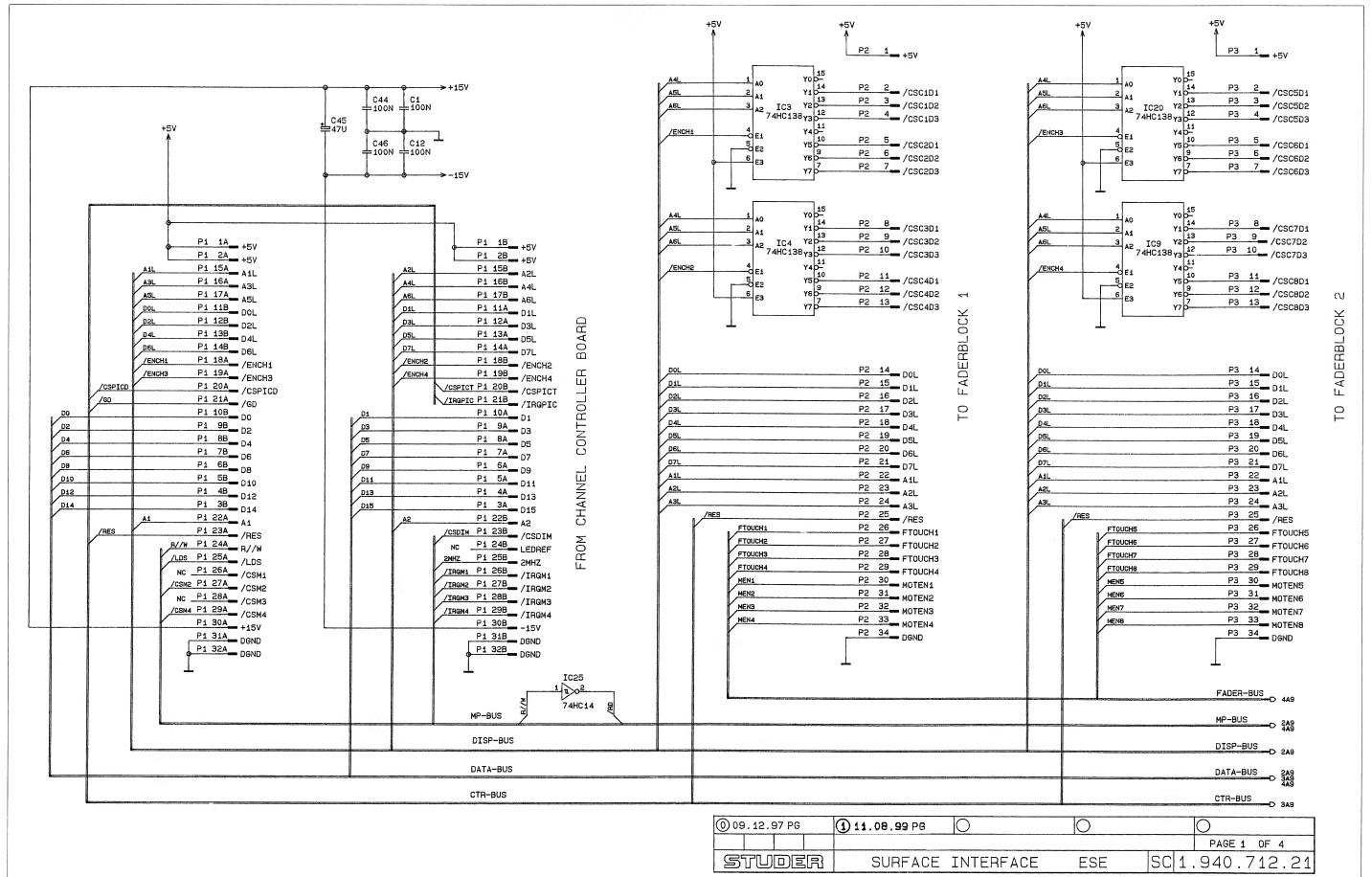
Centralized Unit I.940.765.00

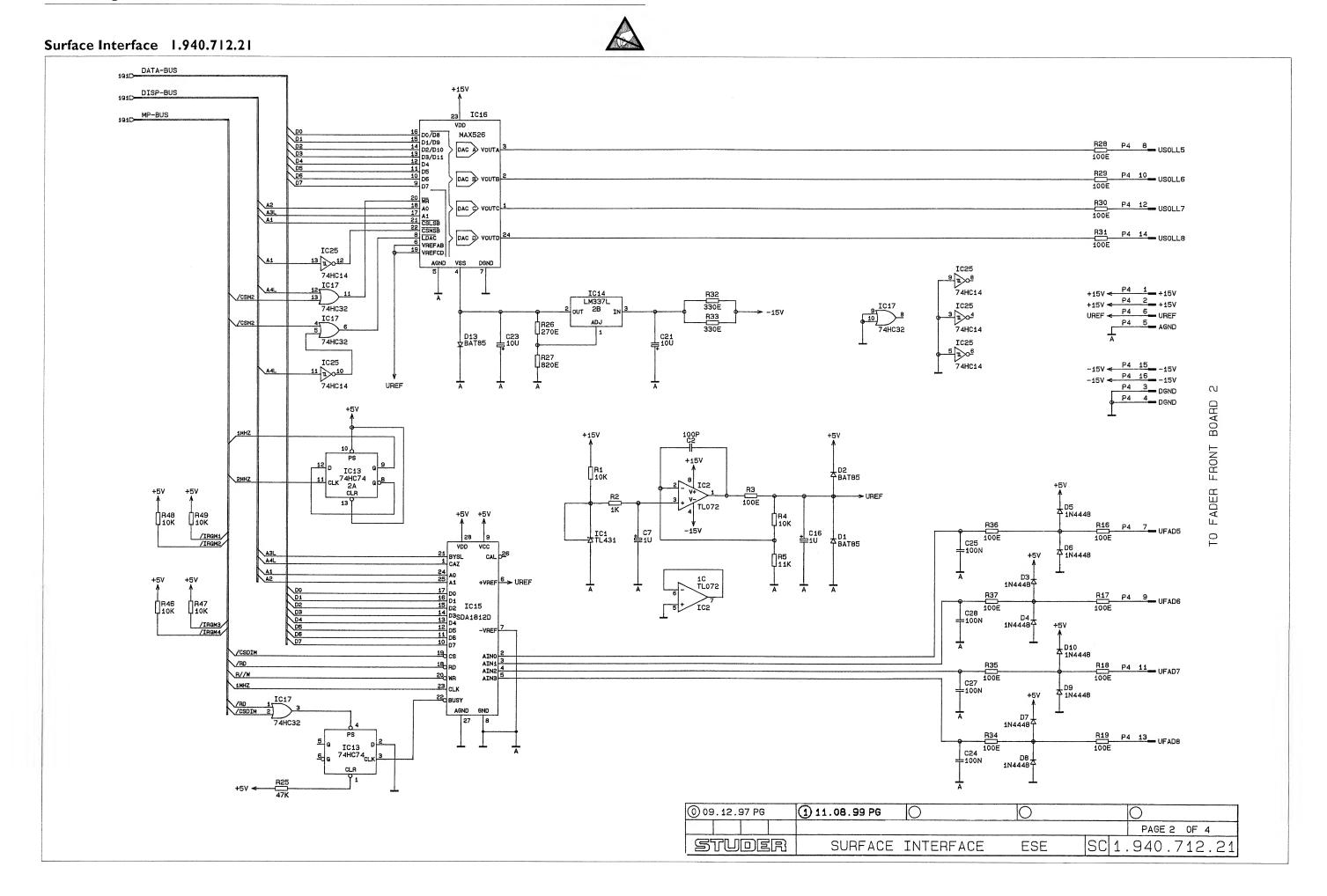


SC:SchemaCircuit DiagramBP:BestückungsplanPCB LayoutPL:PositionslistePositional List

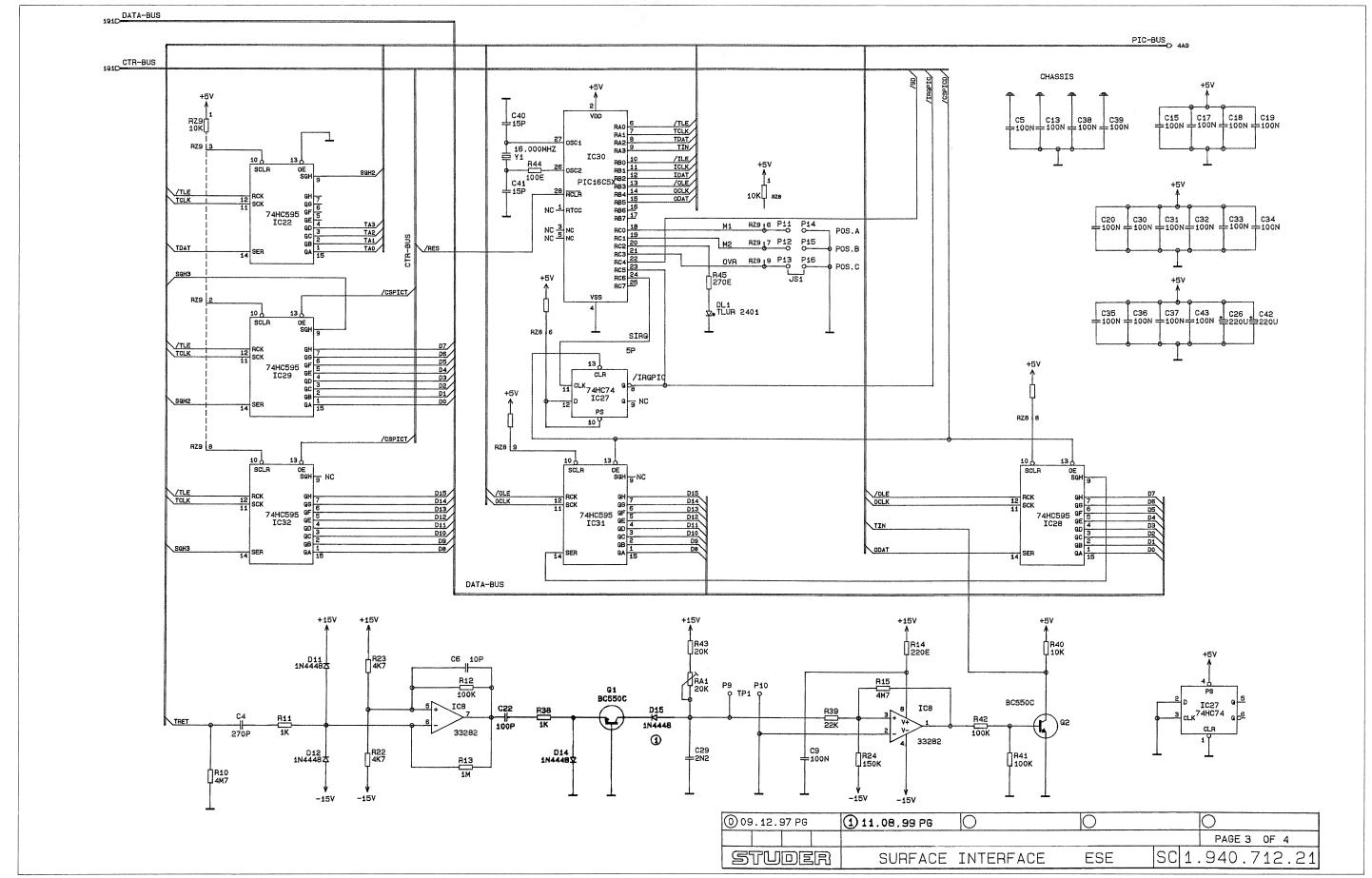
Edition: 12.12.96





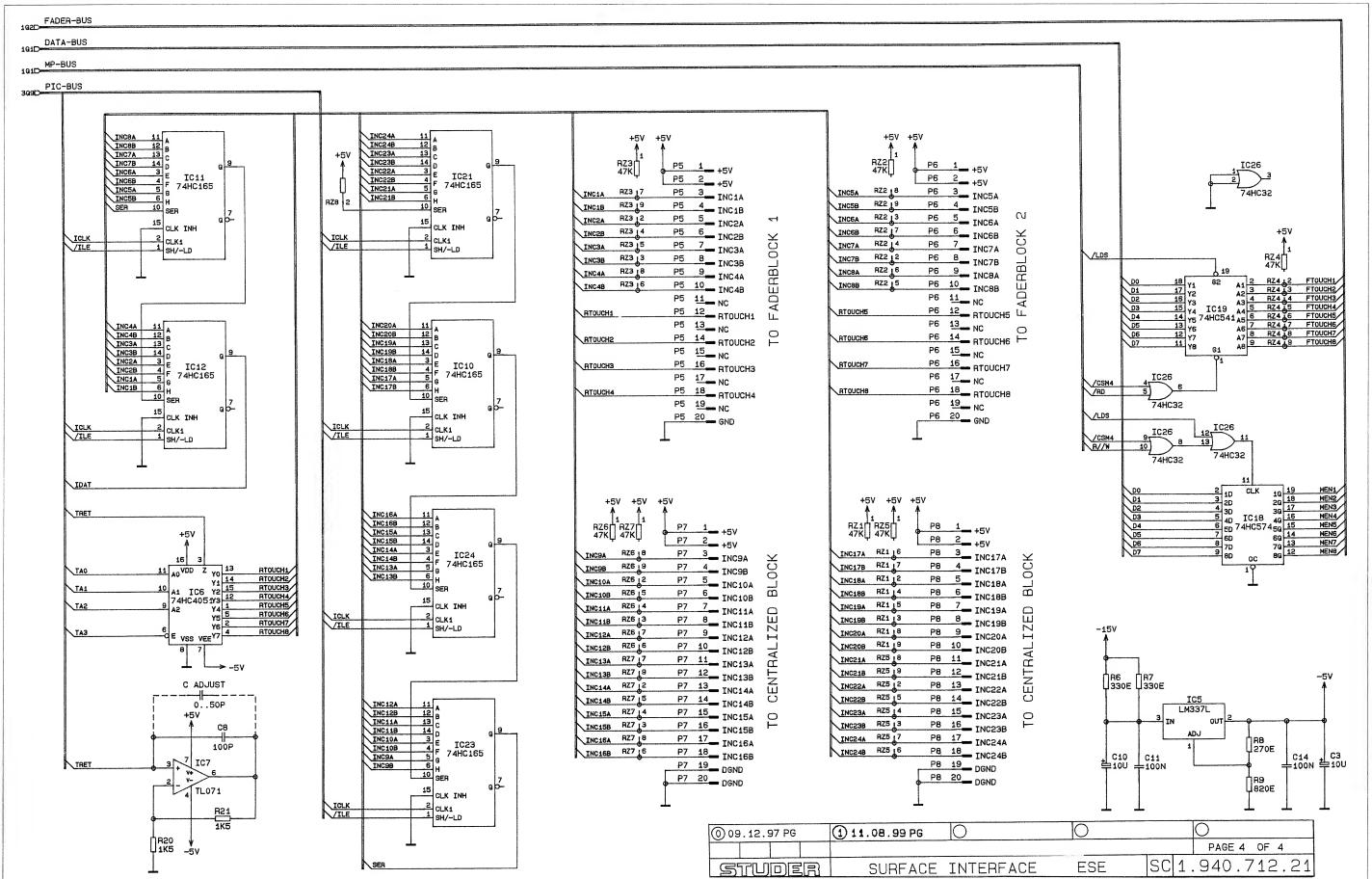




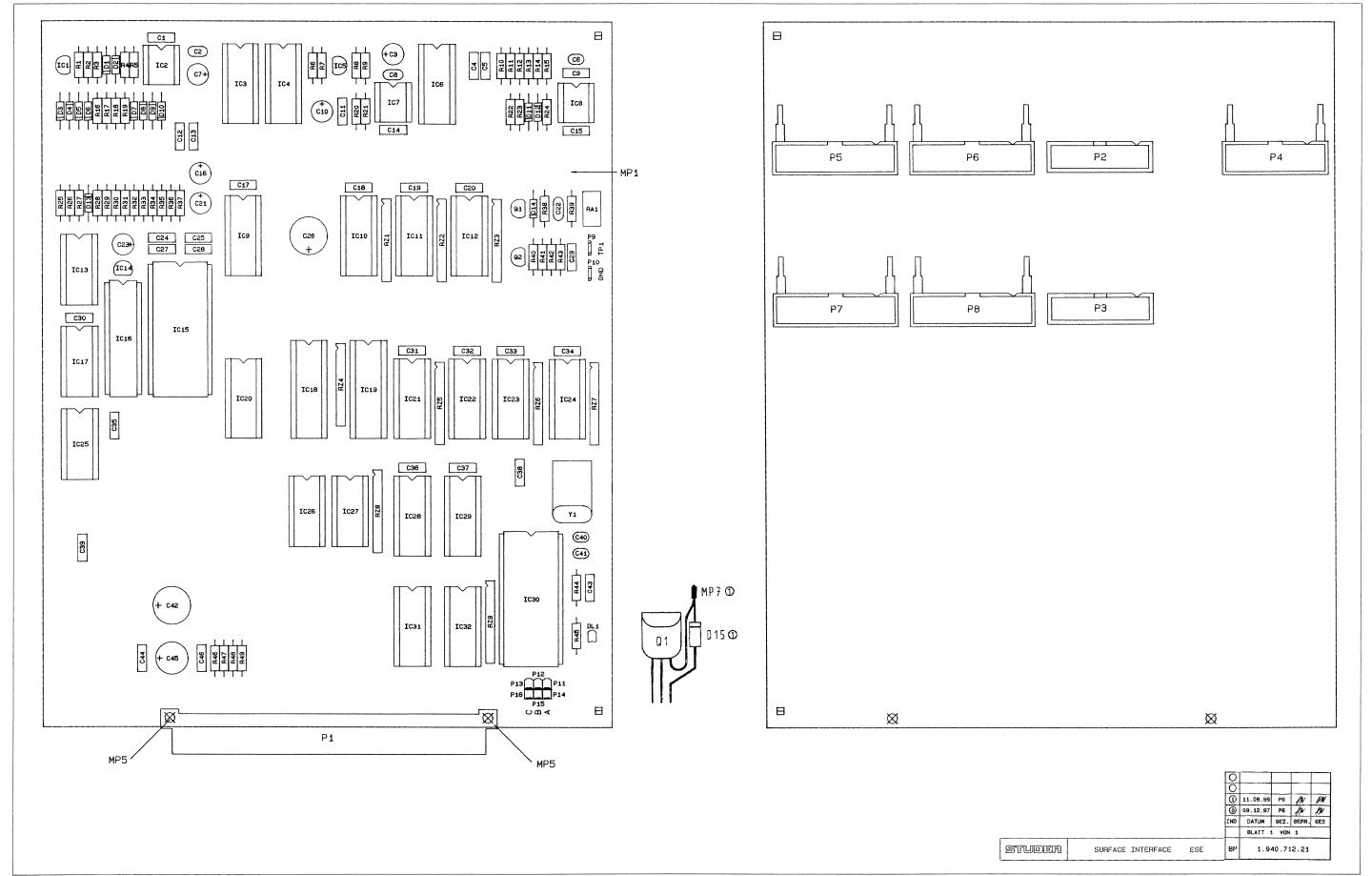


STUDER









STUDER



Surface Interface 1.940.712.21

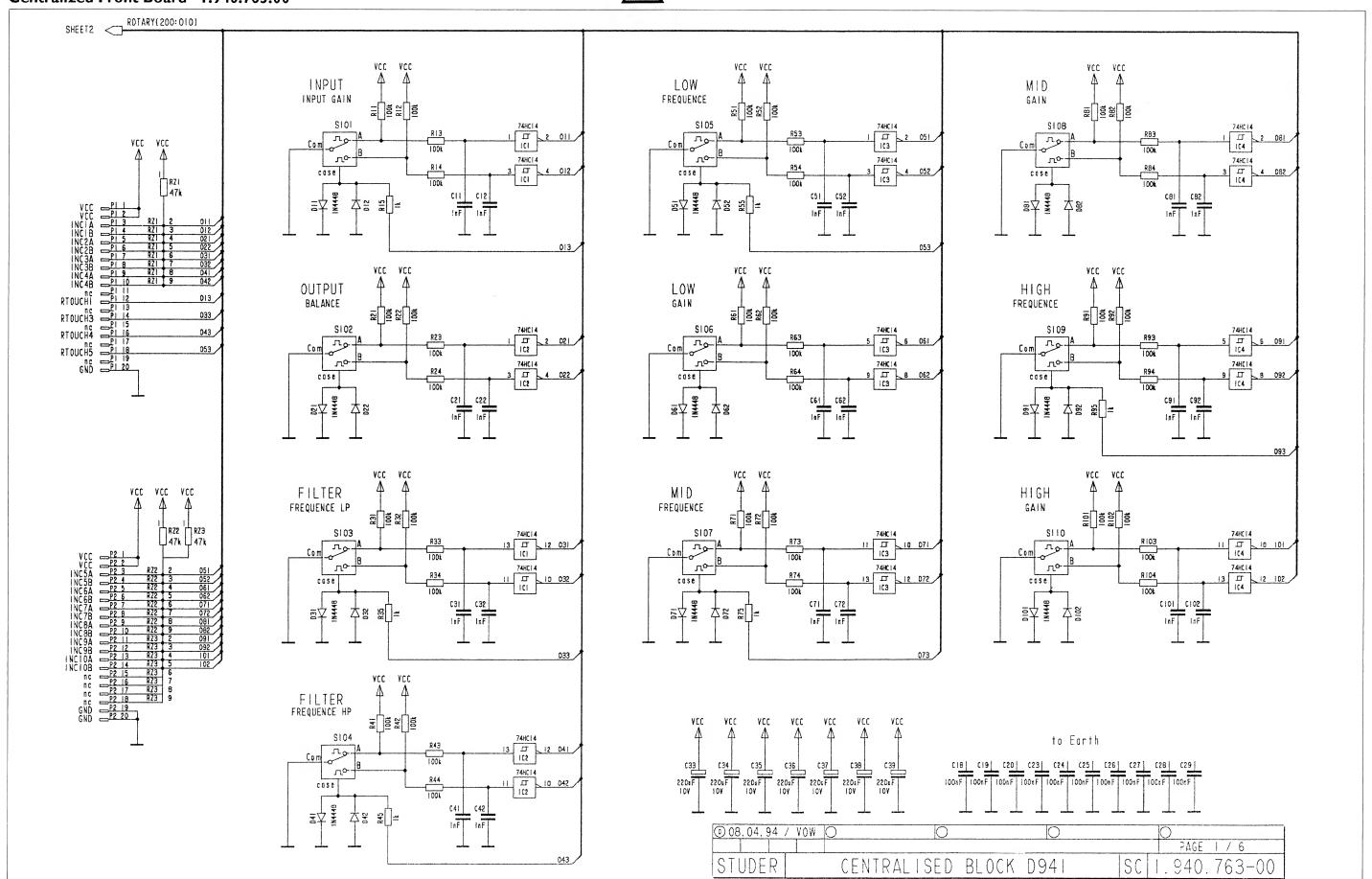
a	art No.	Qty.	Type/Val.							
		City.	Type/val.	Description	ldx.	Pos.	Part No.	Qty.	Type/Val.	Description
	59.06.0104		100n	PETP, 63V, 10%, RM5	0	IC 23	50.17.1165		74HC165	IC 74 HC 165 ., A
	59.34.4101		100p	CER 63V, 5%, N750	0	IC 24	50.17.1165		74HC165	IC 74 HC 165 ., ,A
	59.22.6100		10u	EL 35V, 20%, RM5	0	IC 25	50.17.1014		74HC14	IC 74 HC 14 ., ,A
	59.34.4271		270p	CER 63V, 5%, N750	0	IC 26	50.17.1032		74HC32	IC 74 HC 32 ., ,A
	59.06.0104		100n	PETP, 63V, 10%, RM5	0	IC 27	50.17.1074		74HC74	IC 74 HC 74 ., ,A
	59.34.1100		10p	CER 63V, 5%, NP 0	0	IC 28	50.17.1595		74HC595	IC 74 HC 595 ., ,A
	59.22.8109		1u	EL 50V, 20%, RM5	0	IC 29	50.17.1595		74HC595	IC 74 HC 595 ., ,A
	59.34.4101		100p	CER 63V, 5%, N750	0	IC 30	50.16.0301		T. 41 10 FOF	IC PIC 16 C 57-HS/P ,A
			400	+ cap. 050pf parallel to C8 for adjustment	0	IC 31	50.17.1595		74HC595	IC 74 HC 595 ., ,A
	59.06.0104		100n	PETP, 63V, 10%, RM5	0	IC 32	50.17.1595		74HC595	IC 74 HC 595 ., ,A
	59.22.6100		10u	EL 35V, 20%, RM5	0	10.4	54.04.0004			0.02 10.02
	59.06.0104		100n	PETP, 63V, 10%, RM5	0	JS 1	54.01.0021	4	Jumper	0.63 * 0.63mm
	59.06.0104		100n	PETP, 63V, 10%, RM5	0	MP 1	1.940.712.11			SURFACE INTERFACE PCB /!\ NRETIKETTE 5 * 20
	59.06.0104		100n	PETP, 63V, 10%, RM5	0	MP 2 MP 3	1.940.712.04 43.01.0108		i abal	
	59.06.0104		100n 100n	PETP, 63V, 10%, RM5	0	MP 4	1.101.001.20	1 pce	Label Label	ESE-WARNSCHILD TEXT-ETIK, 5*20 HARDWARE -20
	59.06.0104			PETP, 63V, 10%, RM5	0	MP 5	28.99.0119		Labe	ROHRNIETE D 2.5*0.15* 9
	59.22.8109		1u 100n	EL 50V, 20%, RM5	0	MP 6	65.99.0167		Tape	POLYURH. KLEBBAND WS, 9* 3
	59.06.0104		100n	PETP, 63V, 10%, RM5 PETP, 63V, 10%, RM5	1	MP 7	29.99.0134	10 11111	1.8*5	Lötspirale Cu Sn
	59.06.0104		100n	PETP, 63V, 10%, RM5	1	MP 8	43.10.0110		Α	Revisions-Etikette 5mm h'blau
	59.06.0104		100n		0	P 1	54.11.2004		64-P	P EU-B 2 * 32
	59.06.0104			PETP, 63V, 10%, RM5	0	P2	54.16.0534		34p	P 1/40", 34 P, AU, PRINT
	59.22.6100		10u	EL 35V, 20%, RM5 CER 63V, 5%, N150	0	P3	54.16.0534		34p	P 1/40", 34 P, AU, PRINT
	59.34.2101		100p 10u	EL 35V, 20%, RM5	0	P4	54.14.2102		16p	P STECKER 16 P,AU,VR,GERAD
	59.22.6100 59.06.0104		100n	PETP, 63V, 10%, RM5	0	P 5	54.14.2103		20p	P STECKER 20 P.AU.VR.GERAD
			100n 100n	PETP, 63V, 10%, RM5 PETP, 63V, 10%, RM5	0	P6	54.14.2103		20p 20p	P STECKER 20 P,AU,VR,GERAD
	59.06.0104 59.22.4221		220u	EL 16V, 20%, RM5	0	P7	54.14.2103		20p 20p	P STECKER 20 P,AU,VR,GERAD
	59.22.4221		100n	PETP, 63V, 10%, RM5	0	P 8	54.14.2103		20p	P STECKER 20 P,AU,VR,GERAD
	59.06.0104		100n		0	P 9	54.02.0320		1p	Flatpin, 2.8*0.8mm
	59.06.0104		2n2	PETP, 63V, 10%, RM5 PETP, 63V, 10%, RM5	0	P 10	54.02.0320		1p	Flatpin, 2.8*0.8mm
	59.06.0222		2n2 100n	PETP, 63V, 10%, RM5 PETP, 63V, 10%, RM5	0	P 11	54.11.0136		2*3p	Pin 0.63*0.63, RM2.54
	59.06.0104		100n	PETP, 63V, 10%, RM5	0	P 12	not used		1p	Pin 0.63*0.63
	59.06.0104		100n	PETP, 63V, 10%, RM5	J		7101 0000		.,	see P11
	59.06.0104		100n	PETP, 63V, 10%, RM5	0	P 13	not used		1 p	Pin 0.63*0.63
	59.06.0104		100n	PETP, 63V, 10%, RM5		,	1101 0000		. P	see P11
	59.06.0104		100n	PETP, 63V, 10%, RM5	0	P 14	not used		1p	Pin 0.63*0.63
	59.06.0104		100n	PETP, 63V, 10%, RM5	•		1101 0000			see P11
	59.06.0104		100n	PETP, 63V, 10%, RM5	0	P 15	not used		1p	Pin 0.63*0.63
	59.06.0104		100n	PETP, 63V, 10%, RM5	_				. F	see P11
	59.06.0104		100n	PETP, 63V, 10%, RM5	0	P 16	not used		1p	Pin 0.63*0.63
	59.34.1150		15p	CER 63V, 5%, NP 0					.,	see P11
	59.34.1150		15p	CER 63V, 5%, NP 0						
	59.22.4221		220u	EL 16V, 20%, RM5	0	Q 1	50.03.0407		BC550C	BC 550 C
	59.06.0104		100n	PETP, 63V, 10%, RM5	0	Q 2	50.03.0407		BC550C	BC 550 C
	59.06.0104		100n	PETP, 63V, 10%, RM5						
	59.22.8470		47u	EL 63V, 20%, RM5	0	R 1	57.11.3103		10k	MF, 1%, 0207
	59.06.0104		100n	PETP, 63V, 10%, RM5	0	R 2	57.11.3102		1k0	MF, 1%, 0207
	50.04.0407		DATOS	000-4-0-1	0	R 3	57.11.3101		100R	MF, 1%, 0207
	50.04.0127		BAT85 BAT85	200mA, Schottky	0	R 4	57.11.3103		10k	MF, 1%, 0207
	50.04.0127 50.04.0125		1N4448	200mA, Schottky 75V, 150mA, 4ns, DO-35	0	R 5	57.11.3113		11k	MF, 1%, 0207
	50.04.0125		1N4448	75V, 150mA, 4ns, DO-35	0	R 6	57.11.3331		330R	MF, 1%, 0207
	50.04.0125		1N4448	75V, 150mA, 4ns. DO-35	0	R 7	57.11.3331		330R	MF, 1%, 0207
	50.04.0125		1N4448	75V, 150mA, 4ns, DO-35	0	R 8	57.11.3271		270R	MF, 1%, 0207
	50.04.0125		1N4448	75V, 150mA, 4ns, DO-35	0	R 9	57.11.3821		820R	MF, 1%, 0207
	50.04.0125		1N4448	75V, 150mA, 4ns, DO-35	0	R 10	57.11.5475		4M7	MF, 5%, 0207
	50.04.0125		1N4448	75V, 150mA, 4ns. DO-35	0	R 11	57.11.3102		1k0	MF, 1%, 0207
	50.04.0125		1N4448	75V, 150mA, 4ns. DO-35	0	R 12	57.11.3104		100k	MF, 1%, 0207
	50.04.0125		1N4448	75V, 150mA, 4ns, DO-35	0	R 13	57.11.3105		1M0	MF, 1%, 0207
	50.04.0125		1N4448	75V, 150mA, 4ns, DO-35	0	R 14	57.11.3221		220R	MF, 1%, 0207
	50.04.0127		BAT85	200mA, Schottky	0	R 15 R 16	57.11.5475		4M7	MF, 5%, 0207
	50.04.0125		1N4448	75V, 150mA, 4ns, DO-35	0		57.11.3101 57.11.3101		100R	MF, 1%, 0207
	50.04.0125		1N4448	75V, 150mA, 4ns, DO-35	0	R 17	57.11.3101		100R	MF, 1%, 0207
	E0 04 0404		TLUR 2401	DI TUIR 2401 PT MATT	0	R 18	57.11.3101		100R	MF, 1%, 0207
	50.04.2121		1 LUR 2401	DL TLUR 2401 RT MATT	0	R 19 R 20	57.11.3101 57.11.3152		100R	MF, 1%, 0207
	50.10.0106		TL431	Shunt regulator	0	R 21	57.11.3152 57.11.3152		1k5	MF, 1%, 0207 MF, 1%, 0207
	50.09.0101		TL072	IC TL 072 CN ,A	0	R 22	57.11.3152 57.11.3472		1k5 4k7	MF, 1%, 0207 MF, 1%, 0207
	50.17.1138		74HC138	IC 74 HC 138 ., ,A	0	R 23	57.11.3472 57.11.3472		4k7 4k7	
	50.17.1138		74HC138	IC 74 HC 138 ., ,A	0	R 24	57.11.3472 57.11.3154		4k7 150k	MF, 1%, 0207 MF, 1%, 0207
	50.10.0109		LM337L	Series regulator 100mA37V	0	R 25	57.11.3154 57.11.3473		47k	MF, 1%, 0207 MF, 1%, 0207
	50.17.4051			IC 74 HC 4051 ., ,A	0	R 26	57.11.3473 57.11.3271		270R	MF, 1%, 0207
	50.09.0103		TL071	IC TL 071 CP, ,A	0	R 27	57.11.3821		820R	MF, 1%, 0207
	50.09.0127		MC33282	Dual Op-Amp BiFET DIP 8	0	R 28	57.11.3101		100R	MF, 1%, 0207
	50.17.1138		74HC138	IC 74 HC 138 ., ,A	0	R 29	57.11.3101		100R	MF, 1%, 0207 MF, 1%, 0207
	50.17.1165		74HC165	IC 74 HC 165 ., ,A	0	R 30	57.11.3101		100R	MF, 1%, 0207
	50.17.1165		74HC165	IC 74 HC 165 ., ,A	0	R 31	57.11.3101		100R	MF, 1%, 0207 MF, 1%, 0207
	50.17.1165		74HC165	IC 74 HC 165 ., ,A	0	R 32	57.11.3331		330R	MF, 1%, 0207 MF, 1%, 0207
	50.17.1074		74HC 74	IC 74 HC 74 ., ,A	0	R 33	57.11.3331		330R 330R	MF, 1%, 0207 MF, 1%, 0207
	50.10.0109		LM337L	Series regulator 100mA37V	0	R 34			100R	MF, 1%, 0207 MF, 1%, 0207
	50.19.0204		ADS7832	A/D Converter 12bit 4ch mux	0	R 35	57.11.3101 57.11.3101		100R	MF, 1%, 0207 MF, 1%, 0207
	not used		not used	not used	0	R 36	57.11.3101		100R	MF, 1%, 0207 MF, 1%, 0207
	50.17.1032		74HC 32	IC 74 HC 32 ., ,A	0	R 37	57.11.3101		100R 100R	MF, 1%, 0207 MF, 1%, 0207
	50.17.1574		74HC574	IC 74 HC 574 ., ,A	0	R 38			1k0	MF, 1%, 0207 MF, 1%, 0207
	50.17.1541		74HC541	Octal bus buffer	0	R 39	57.11.3102 57.11.3223			
	50.17.1138		74HC138	IC 74 HC 138 ., ,A	0	R 40	57.11.3223 57.11.3103		22k	MF, 1%, 0207 MF, 1%, 0207
	50.17.1165									MF, 1%, 0207 MF, 1%, 0207
	50.17.1165 50.17.1595		74HC165 74HC595	IC 74 HC 165 ,A IC 74 HC 595 ,A		0				

ldx.	Pos.	Part No.	Qty.	Type/Val.	Description
0	R 42	57.11.3104		100k	MF, 1%, 0207
0	R 43	57.11.3203		20k	MF, 1%, 0207
0	R 44	57.11.3101		100R	MF, 1%, 0207
0	R 45	57.11.3271		270R	MF, 1%, 0207
0	R 46	57.11.3103		10k	MF, 1%, 0207
0	R 47	57.11.3103		10k	MF, 1%, 0207
0	R 48	57.11.3103		10k	MF, 1%, 0207
0	R 49	57.11.3103		10k	MF, 1%, 0207
0	RA 1	58.01.9203		20k	Cermet, 10%, 0.5W, vertical
0	RZ 1	57.88.4473		8*47k	2%, SIP 9
0	RZ 2	57.88.4473		8*47k	2%, SIP 9
0	RZ3	57.88.4473		8*47k	2%, SIP 9
0	RZ4	57.88.4473		8*47k	2%, SIP 9
0	RZ 5	57.88.4473		8*47k	2%, SIP 9
0	RZ 6	57.88.4473		8*47k	2%, SIP 9
0	RZ 7	57.88,4473		8*47k	2%, SIP 9
0	RZ 8	57.88.4103		8*10k	2%, SIP 9
0	RZ 9	57.88.4103		8*10k	2%, SIP 9
0	XIC 15	53.03.0173		28p	DIL 0.6", löt, gerade
0	XIC 30	53.03.0173		28p	DIL 0.6", löt, gerade
0	Y 1	89.01.1009		16.000MHz	16.000 000 MHz, HC 49/U
				End of Li	st —————

Comments

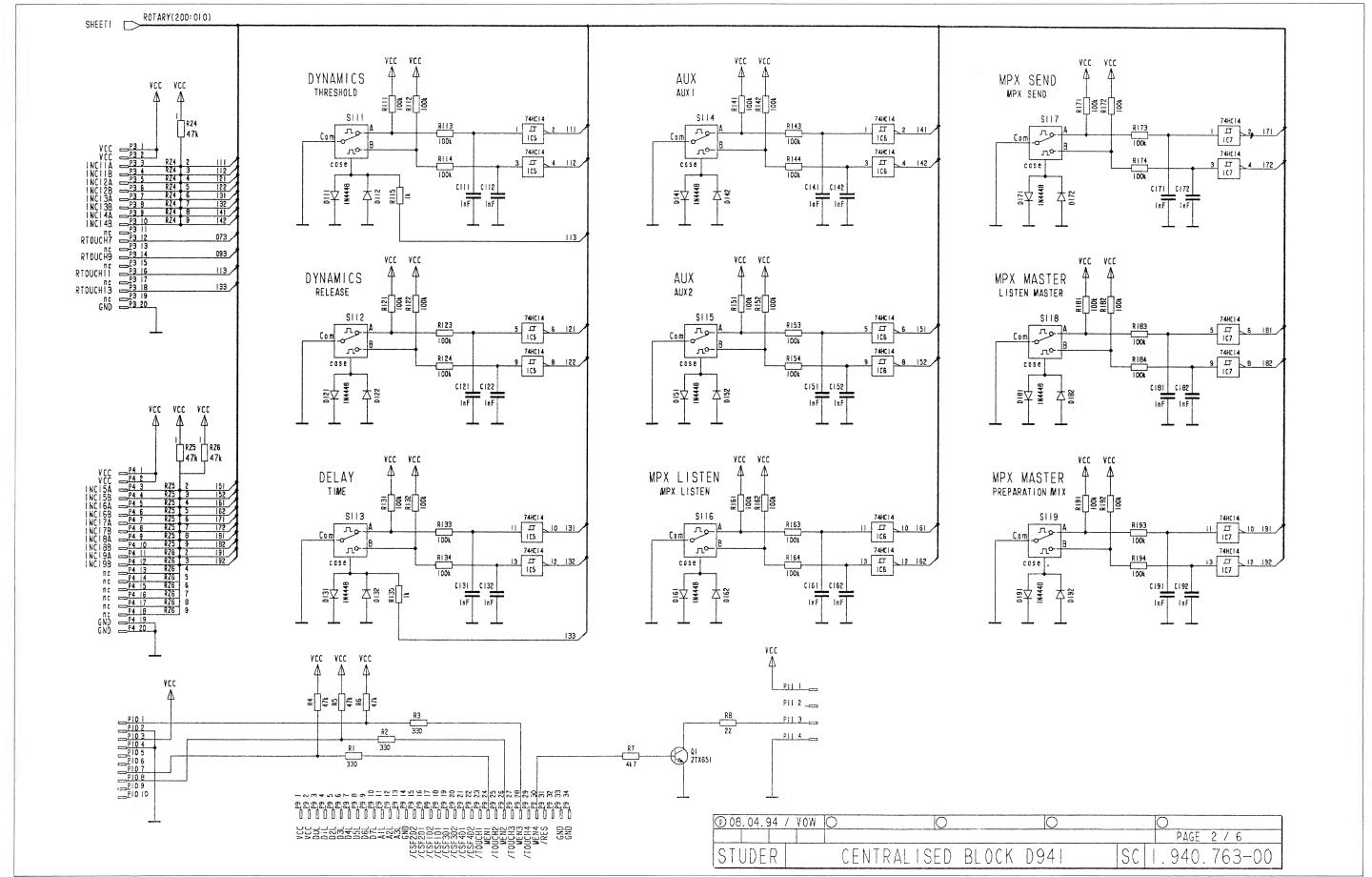
Centralized Front Board 1.940.763.00



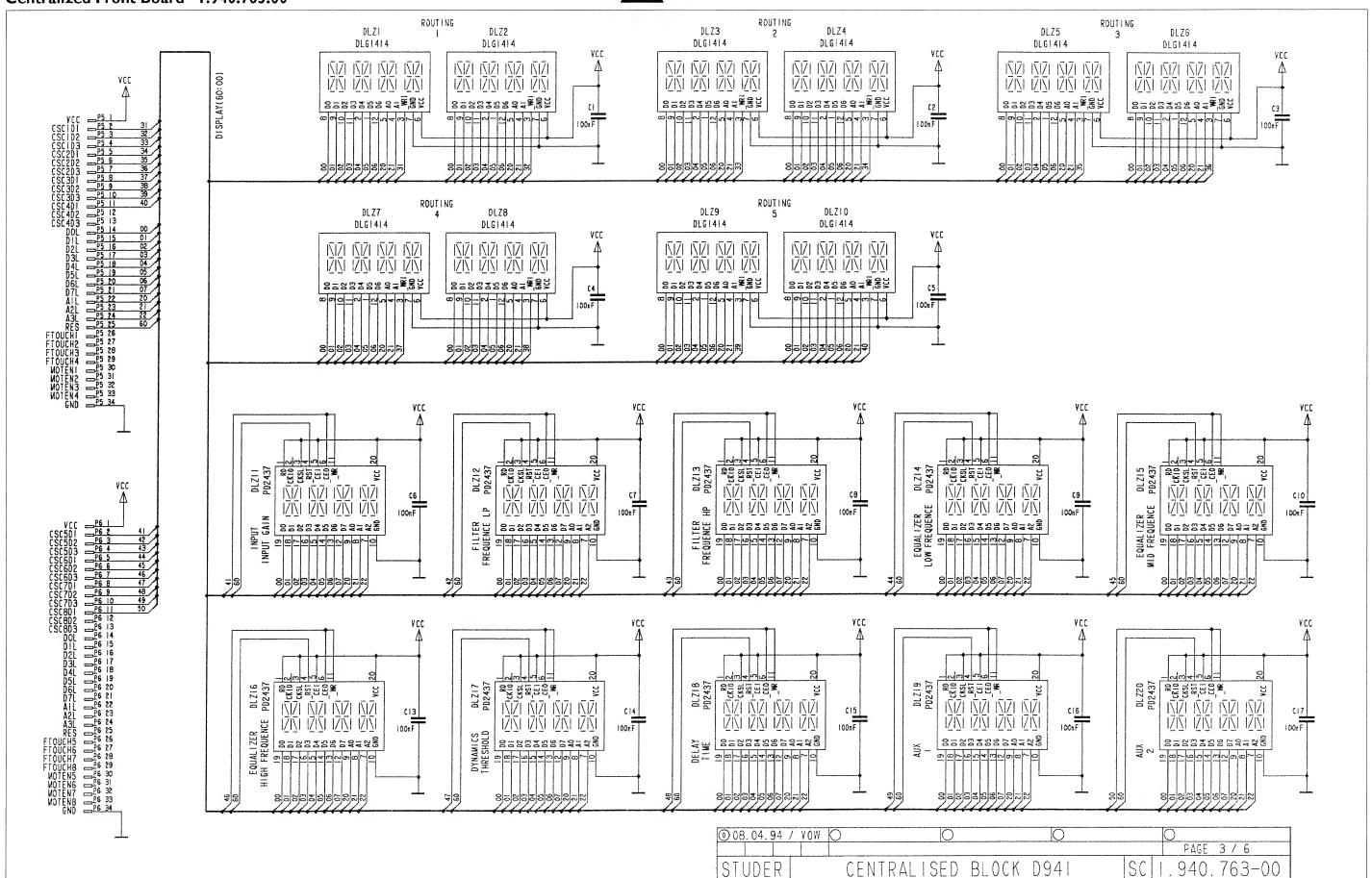


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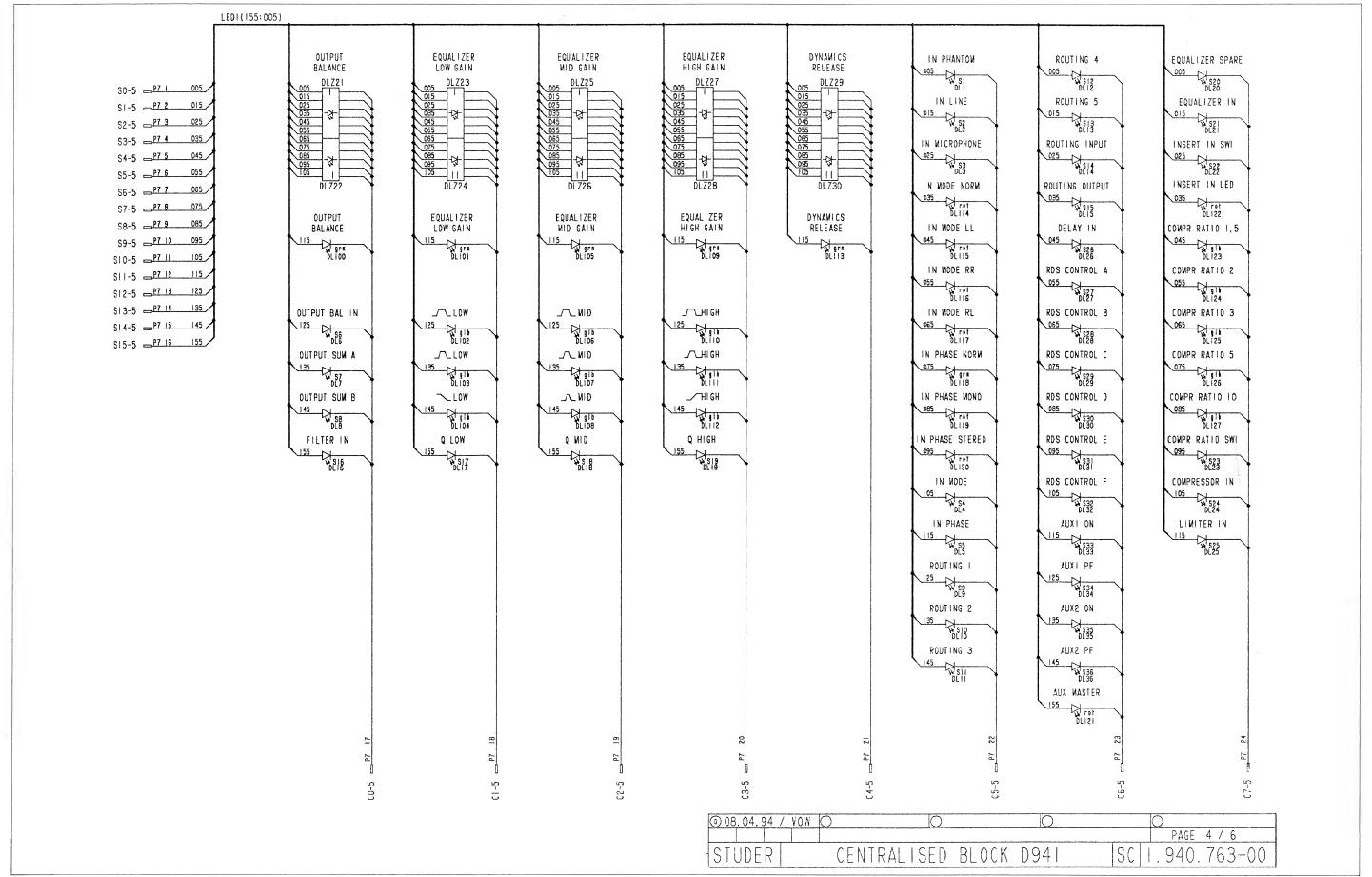




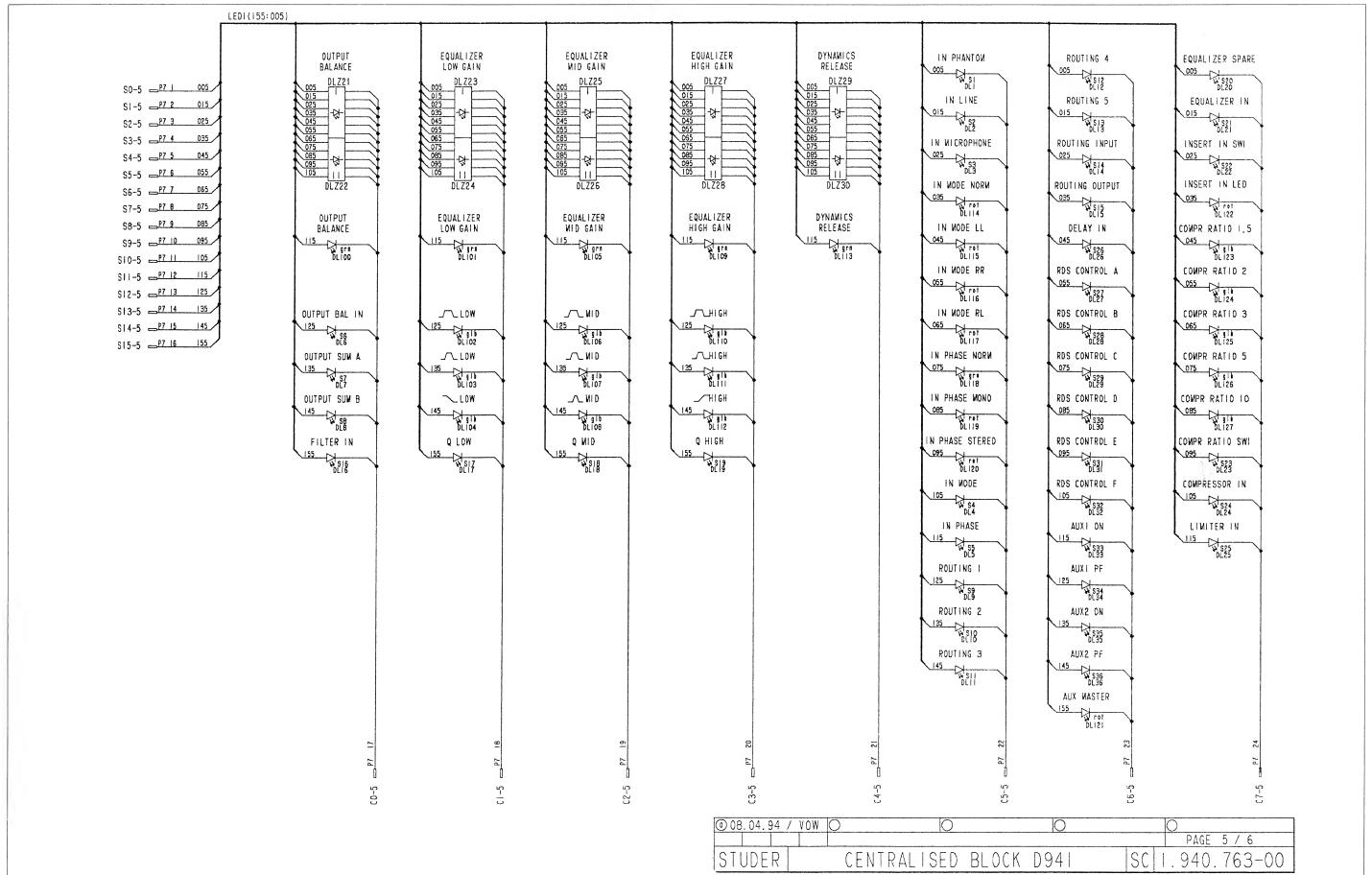


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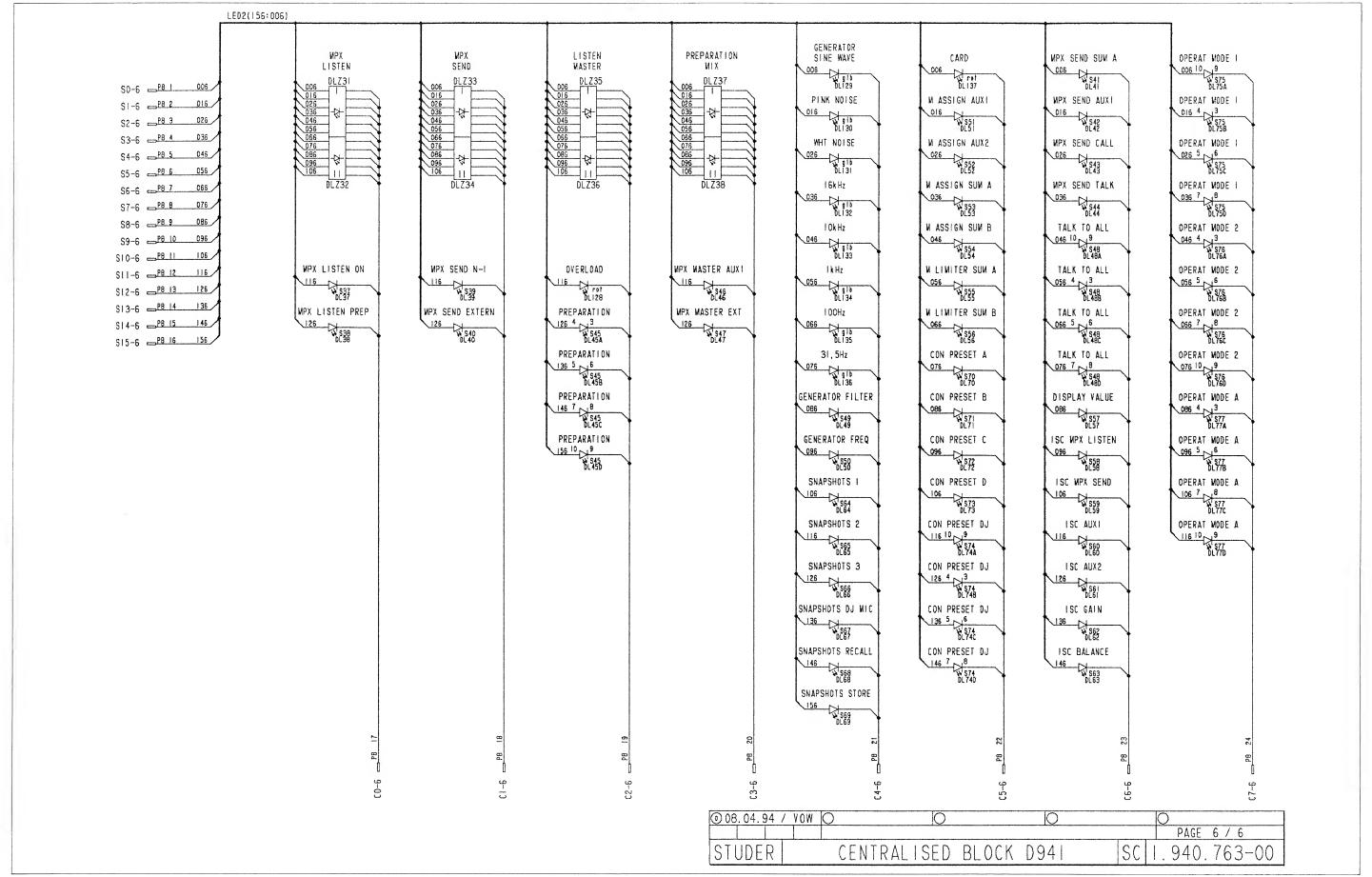




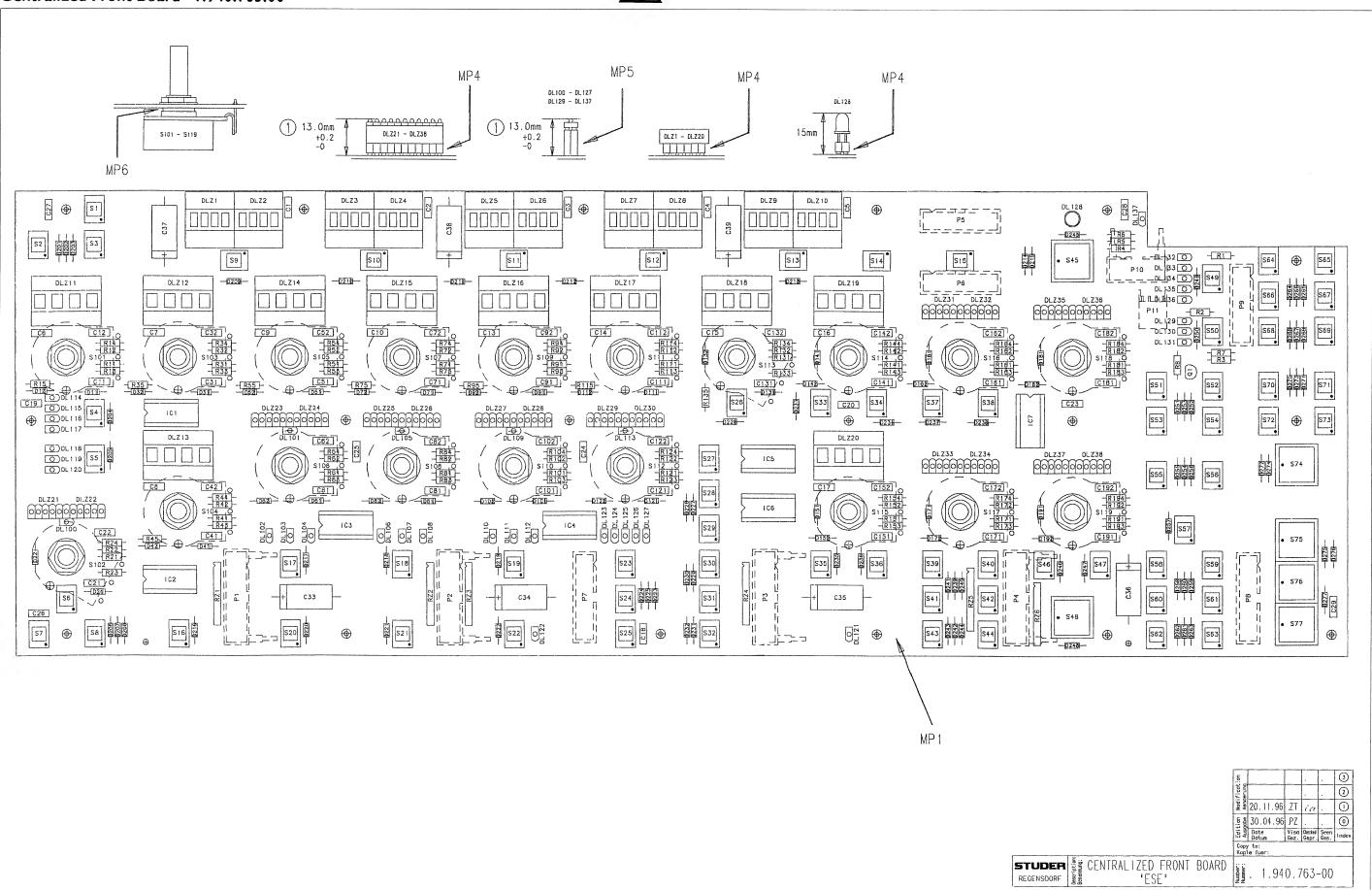


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			1.740.763.00				,							
ldx. Pos.	Part No. Qty.	Type/Val.	Description	ldx. Pos.	Part No. Qty.	Type/Val.	Description	ldx. Pos.	Part No. Qty.	Type/Val.	Description	ldx. Pos.	Part No. Qty. Type/Val.	Description
0 C1		100n	PETP, 63V, 10%, RM5	0 D 91	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 D 266	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 DLZ 37	50.04.2812	DLZ 11*D GB
0 C2		100n	PETP, 63V, 10%, RM5	0 D 92	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 D 267	50.04,0125	1N4448	75V, 150mA, 4ns, DO-35	0 DLZ 38	not used not used	not used
0 C3		100n	PETP, 63V, 10%, RM5	0 D 101	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 D 268	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35			
0 C4 0 C5		100n 100n	PETP, 63V, 10%, RM5 PETP, 63V, 10%, RM5	0 D 102	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 D 269	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 IC 1	50.17.1014 74HC14	IC 74 HC 14 ., ,A
0 C6		100n	PETP, 63V, 10%, RM5	0 D 111 0 D 112	50.04.0125 50.04.0125	1N4448 1N4448	75V, 150mA, 4ns, DO-35 75V, 150mA, 4ns, DO-35	0 D 270 0 D 271	50.04.0125 50.04.0125	1N4448 1N4448	75V, 150mA, 4ns, DO-35 75V, 150mA, 4ns, DO-35	0 IC 2 0 IC 3	50.17.1014 74HC14 50.17.1014 74HC14	IC 74 HC 14 ., ,A IC 74 HC 14 ., ,A
0 C7		100n	PETP, 63V, 10%, RM5	0 D112 0 D121	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35 75V, 150mA, 4ns, DO-35	0 D 271	50.04.0125	1N4446 1N4448	75V, 150mA, 4ns, DO-35 75V, 150mA, 4ns, DO-35	0 IC4	50.17.1014 74HC14 50.17.1014 74HC14	IC 74 HC 14 ., ,A
0 C8		100n	PETP, 63V, 10%, RM5	0 D 122		1N4448	75V, 150mA, 4ns, DO-35	0 D 272	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 IC 5	50.17.1014 74HC14	IC 74 HC 14 ., ,A
0 C9		100n	PETP, 63V, 10%, RM5	0 D 131		1N4448	75V, 150mA, 4ns, DO-35	0 D 274	50.04,0125	1N4448	75V, 150mA, 4ns, DO-35	0 IC 6	50.17.1014 74HC14	IC 74 HC 14 ., ,A
0 C 10	59.06.0104	100n	PETP, 63V, 10%, RM5	0 D 132		1N4448	75V, 150mA, 4ns, DO-35	0 D 275	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 IC 7	50.17.1014 74HC14	IC 74 HC 14 ., ,A
0 C 11	59.06.0102	1n0	PETP, 63V, 10%, RM5	0 D 141	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 D 276	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35			
0 C 12		1n0	PETP, 63V, 10%, RM5	0 D 142	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 D 277	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 MP 1	1.940.761.11 1 pce	CENTRALIZED FRONT PCB //\
0 C 13		100n	PETP, 63V, 10%, RM5	0 D 151		1N4448	75V, 150mA, 4ns, DO-35					0 MP 2	43.01.0108 1 pce Label	ESE-WARNSCHILD
0 C 14		100n	PETP, 63V, 10%, RM5	0 D 152		1N4448	75V, 150mA, 4ns, DO-35	0 DL 100	50.04.2132	TLUG 2401	DL_TLUG 2401 GN MATT	0 MP 3	1.940.763.04 1 pce	NRETIKETTE 5 * 20
0 C 15		100n	PETP, 63V, 10%, RM5	0 D 161		1N4448	75V, 150mA, 4ns, DO-35	0 DL 101	50.04.2132	TLUG 2401	DL TLUG 2401 GN MATT	0 MP 4	53.03.0218 518 pc 1p	XIC SINGLE, IN-LINE 1PIN=1STR
0 C 16		100n	PETP, 63V, 10%, RM5	0 D 162		1N4448	75V, 150mA, 4ns, DO-35	0 DL 102	50.04.2133	TLUY 2401	DL TLUY 2401 GB MATT	1 MP 5	53.03.0240 36 pcs	XLED SINGLE LINE, 2 POL. PRIN
0 C 17		100n 100n	PETP, 63V, 10%, RM5	0 D 171		1N4448	75V, 150mA, 4ns, DO-35	0 DL 103	50.04.2133	TLUY 2401	DL TLUY 2401 GB MATT	0 MP6	1.010.091.23 19 pcs	DISTANZSCHEIBE D 9.0/12* 1.2
0 C 18		100n	PETP, 63V, 10%, RM5	0 D 172		1N4448	75V, 150mA, 4ns, DO-35	0 DL 104	50.04.2133	TLUY 2401	DL TLUY 2401 GB MATT	0 04	51110100 00	B 07501/50 00 B 4/11/10 0504
0 C 19 0 C 20		100n 100n	PETP, 63V, 10%, RM5 PETP, 63V, 10%, RM5	0 D 181 0 D 182		1N4448 1N4448	75V, 150mA, 4ns, DO-35	0 DL 105	50.04.2132	TLUG 2401	DL TLUG 2401 GN MATT	0 P1	54.14.2103 20p	P STECKER 20 P,AU,VR,GERA
0 C 20		1n0	PETP, 63V, 10%, RM5	0 D 182		1N4448 1N4448	75V, 150mA, 4ns, DO-35	0 DL 106	50.04.2133	TLUY 2401	DL TLUY 2401 GB MATT	0 P2	54.14.2103 20p	P STECKER 20 P,AU,VR,GERA
0 C 21		1n0	PETP, 63V, 10%, RM5	0 D 191		1N4448	75V, 150mA, 4ns, DO-35 75V, 150mA, 4ns, DO-35	0 DL 107 0 DL 108	50.04.2133	TLUY 2401	DL TLUY 2401 GB MATT DL TLUY 2401 GB MATT	0 P3 0 P4	54.14.2103 20p 54.14.2103 20p	P STECKER 20 P,AU,VR,GERA P STECKER 20 P,AU,VR,GERA
0 C 23		100n	PETP, 63V, 10%, RM5	0 D 192		1N4448	75V, 150mA, 4ns, DO-35 75V, 150mA, 4ns, DO-35	0 DL 108	50.04.2133	TLUY 2401		0 P5	54.14.2103 20p 54.16.0534 34p	P 1/40", 34 P, AU, PRINT
0 C 24		100n	PETP, 63V, 10%, RM5	0 D 202		1N4448	75V, 150mA, 4ns, DO-35 75V, 150mA, 4ns, DO-35	0 DL 109	50.04.2132 50.04.2133	TLUG 2401 TLUY 2401	DL TLUG 2401 GN MATT DL TLUY 2401 GB MATT	0 P6	54.16.0534 34p 54.16.0534 34p	P 1/40", 34 P, AU, PRINT
0 C 25		100n	PETP, 63V, 10%, RM5	0 D 203		1N4448	75V, 150mA, 4ns, DO-35 75V, 150mA, 4ns, DO-35	0 DL 110	50.04.2133	TLUY 2401 TLUY 2401	DL TLUY 2401 GB MATT DL TLUY 2401 GB MATT	0 P7	54.16.0534 34p 54.16.0540 40p	P 1/40", 40 P, AU, PRINT
0 C 26		100n	PETP, 63V, 10%, RM5	0 D 204		1N4448	75V, 150mA, 4ns, DO-35	0 DL 112	50.04.2133	TLUY 2401	DL TLUY 2401 GB MATT	0 P8	54.16.0540 40p	P 1/40". 40 P. AU. PRINT
0 C 27		100n	PETP, 63V, 10%, RM5	0 D 205		1N4448	75V, 150mA, 4ns, DO-35	0 DL 112	50.04.2132	TLUG 2401	DL TLUG 2401 GN MATT	0 P9	54.16.0534 34p	P 1/40", 34 P, AU, PRINT
0 C 28		100n	PETP, 63V, 10%, RM5	0 D 206		1N4448	75V, 150mA, 4ns, DO-35	0 DL 113	50.04.2121	TLUG 2401	DL TLUR 2401 RT MATT	0 P 10	54.14.2101 10p	P STECKER 10 P.AU,VR,GERA
0 C 29		100n	PETP, 63V, 10%, RM5	0 D 207		1N4448	75V, 150mA, 4ns, DO-35	0 DL 115	50.04.2121	TLUR 2401	DL TLUR 2401 RT MATT	2 P11	54.12.0724 4p	Stecker winker PCB
0 C 31		1n0	PETP, 63V, 10%, RM5	0 D 208		1N4448	75V, 150mA, 4ns, DO-35	0 DL 116	50.04.2121	TLUR 2401	DL TLUR 2401 RT MATT			
0 C 32		1n0	PETP, 63V, 10%, RM5	0 D 209		1N4448	75V, 150mA, 4ns, DO-35	0 DL 117	50.04.2121	TLUR 2401	DL TLUR 2401 RT MATT	0 Q1	50.03.0523 ZTX651	ZTX 651
0 C 33	59.25.2221	220u	C-EL, 20%, 10V	0 D 210	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 DL 118	50.04.2132	TLUG 2401	DL TLUG 2401 GN MATT			
0 C 34	59.25.2221	220u	C-EL, 20%, 10V	0 D 211	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 DL 119	50.04.2121	TLUR 2401	DL TLUR 2401 RT MATT	0 R1	57.11.3331 330R	MF, 1%, 0207
0 C 35	59.25.2221	220u	C-EL, 20%, 10V	0 D 212	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 DL 120	50.04.2121	TLUR 2401	DL TLUR 2401 RT MATT	0 R2	57.11.3331 330R	MF, 1%, 0207
0 C 36		220u	C-EL, 20%, 10V	0 D 213	50 04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 DL 121	50.04.2121	TLUR 2401	DL TLUR 2401 RT MATT	0 R3	57.11.3331 330R	MF, 1%, 0207
0 C 37	59.25.2221	220u	C-EL, 20%, 10V	0 D 214	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	1 DL 122	not used	TLUR 2401	DL TLUR 2401 RT MATT	0 R4	57.11.3473 47k	MF, 1%, 0207
0 C 38		220u	C-EL, 20%, 10V	0 D 215	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 DL 123	50.04.2133	TLUY 2401	DL TLUY 2401 GB MATT	0 R5	57.11.3473 47k	MF, 1%, 0207
0 C 39		220u	C-EL, 20%, 10V	0 D 216		1N4448	75V, 150mA, 4ns, DO-35	0 DL 124	50.04.2133	TI.UY 2401	DL TLUY 2401 GB MATT	0 R6	57.11.3473 47k	MF, 1%, 0207
0 C 41		1n0	PETP, 63V, 10%, RM5	0 D 217		1N4448	75V, 150mA, 4ns, DO-35	0 DL 125	50.04.2133	TLUY 2401	DL TLUY 2401 GB MATT	0 R7	57.11.3472 4k7	MF, 1%, 0207
0 C 42		1n0	PETP, 63V, 10%, RM5	0 D 218		1N4448	75V, 150mA, 4ns, DO-35	0 DL 126	50.04.2133	TLUY 2401	DL TLUY 2401 GB MATT	0 R8	57.11.3220 22R	MF, 1%, 0207
0 C 51		1n0	PETP, 63V, 10%, RM5	0 D 219		1N4448	75V, 150mA, 4ns, DO-35	0 DL 127	50.04.2133	TLUY 2401	DL TLUY 2401 GB MATT	0 R 11	57.11.3104 100k	MF, 1%, 0207
0 C 52		1n0	PETP, 63V, 10%, RM5	0 D 220		1N4448	75V, 150mA, 4ns, DO-35	0 DL 128	50.04.2502	HLMP4700	DL HLMP - 4700 RT	0 R 12	57.11.3104 100k	MF, 1%, 0207
0 C 61		1n0	PETP, 63V, 10%, RM5	0 D 221		1N4448	75V, 150mA, 4ns, DO-35	0 DL 129	50.04.2133	TLUY 2401	DL TLUY 2401 GB MATT	0 R 13	57.11.3104 100k	MF, 1%, 0207
0 C 62		1n0 1n0	PETP, 63V, 10%, RM5	0 D 222		1N4448	75V, 150mA, 4ns, DO-35	0 DL 130	50.04.2133	TLUY 2401	DL TLUY 2401 GB MATT	0 R 14	57.11.3104 100k	MF, 1%, 0207
0 C 71		1n0 1n0	PETP, 63V, 10%, RM5 PETP, 63V, 10%, RM5	0 D 223		1N4448	75V, 150mA, 4ns, DO-35	0 DL 131	50.04.2133	TLUY 2401	DL TLUY 2401 GB MATT	0 R 15	57.11.3102 1k0	MF, 1%, 0207
0 C 72 0 C 81		1n0 1n0	PETP, 63V, 10%, RM5	0 D 224 0 D 225		1N4448 1N4448	75V, 150mA, 4ns, DO-35	0 DL 132	50.04.2133	TLUY 2401	DL TLUY 2401 GB MATT	0 R 21 0 R 22	57.11.3104 100k 57.11.3104 100k	MF, 1%, 0207
0 C82	***************************************	1n0	PETP, 63V, 10%, RM5	0 D 226		1N4448 1N4448	75V, 150mA, 4ns, DO-35	0 DL 133	50.04.2133	TLUY 2401	DL TLUY 2401 GB MATT			MF, 1%, 0207
0 C 91		1n0	PETP, 63V, 10%, RM5	0 D 227		1N4446 1N4448	75V, 150mA, 4ns, DO-35 75V, 150mA, 4ns, DO-35	0 DL 134	50.04.2133	TLUY 2401	DL TLUY 2401 GB MATT DL TLUY 2401 GB MATT	0 R 23 0 R 24	57.11.3104 100k 57.11.3104 100k	MF, 1%, 0207 MF, 1%, 0207
0 C 92		1n0	PETP, 63V, 10%, RM5	0 D 228		1N4448	75V, 150mA, 4ns, DO-35	0 DL 135 0 DL 136	50.04.2133 50.04.2133	TLUY 2401 TLUY 2401	DL TLUY 2401 GB MATT DL TLUY 2401 GB MATT	0 R 31	57.11.3104 100k	MF, 1%, 0207
0 C 101		1n0	PETP, 63V, 10%, RM5	0 D 229		1N4448	75V, 150mA, 4ns, DO-35	0 DL 137	50.04.2132	TLUG 2401	DL TLUG 2401 GN MATT	0 R 32	57.11.3104 100k	MF, 1%, 0207
0 C 102	59.06.0102	1n0	PETP, 63V, 10%, RM5	0 D 230		1N4448	75V, 150mA, 4ns, DO-35	0 DLZ 1	73.01.0406	1200 2401	LED DOT MATR-DISP 4 DIG 5X7	0 R 33	57.11.3104 100k	MF. 1%, 0207
0 C 111	59.06.0102	1n0	PETP, 63V, 10%, RM5	0 D 231		1N4448	75V, 150mA, 4ns, DO-35	0 DLZ 2	73.01.0406		LED DOT MATR-DISP 4 DIG 5X7	0 R 34	57.11.3104 100k	MF, 1%, 0207
0 C 112	59.06.0102	1n0	PETP, 63V, 10%, RM5	0 D 232	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 DLZ 3	73.01.0406		LED DOT MATR-DISP 4 DIG 5X7	0 R 35	57.11.3102 1k0	MF, 1%, 0207
0 C 121	59.06.0102	1n0	PETP, 63V, 10%, RM5	0 D 233	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 DLZ 4	73.01.0406		LED DOT MATR-DISP 4 DIG 5X7	0 R 41	57.11.3104 100k	MF, 1%, 0207
0 C 122	59.06.0102	1n0	PETP, 63V, 10%, RM5	0 D 234	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 DLZ 5	73.01.0406		LED DOT MATR-DISP 4 DIG 5X7	0 R 42	57.11.3104 100k	MF, 1%, 0207
0 C 131		1n0	PETP, 63V, 10%, RM5	0 D 235	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 DLZ 6	73.01.0406		LED DOT MATR-DISP 4 DIG 5X7	0 R 43	57.11.3104 100k	MF, 1%, 0207
0 C 132		1n0	PETP, 63V, 10%, RM5	0 D 236	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 DLZ 7	73.01.0406		LED DOT MATR-DISP 4 DIG 5X7	0 R 44	57.11.3104 100k	MF, 1%, 0207
0 C 141		1n0	PETP, 63V, 10% RM5	0 D 237	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 DLZ 8	73.01.0406		LED DOT MATR-DISP 4 DIG 5X7	0 R 45	57.11.3102 1k0	MF, 1%, 0207
0 C 142		1n0	PETP, 63V, 10%, RM5	0 D 238	50.04.0125	1N4448	75V, 150mA, 4ns. DO-35	0 DLZ 9	73.01.0406		LED DOT MATR-DISP 4 DIG 5X7	0 R 51	57.11.3104 100k	MF, 1%, 0207
0 C 151	59.06.0102	1n0	PETP, 63V, 10%, RM5	0 D 239	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 DLZ 10	73.01.0406		LED DOT MATR-DISP 4 DIG 5X7	0 R 52	57.11.3104 100k	MF, 1%, 0207
0 C 152		1n0	PETP, 63V, 10%, RM5	0 D 240	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 DLZ 11	73.01.0405		LED DOT MATR-DISP 4 DIG 5X7	0 R 53	57.11.3104 100k	MF, 1%, 0207
0 C 161		1n0	PETP, 63V, 10%, RM5	0 D 241	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 DLZ 12	73.01.0405		LED DOT MATR-DISP 4 DIG 5X7	0 R 54	57.11.3104 100k	MF, 1%, 0207
0 C 162		1n0	PETP, 63V, 10%, RM5	0 D 242	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 DLZ 13	73.01.0405		LED DOT MATR-DISP 4 DIG 5X7	0 R 55	57.11.3102 1k0	MF, 1%, 0207
0 C 171	59.06.0102	1n0 1n0	PETP, 63V, 10%, RM5	0 D 243	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 DLZ 14	73.01.0405		LED DOT MATR-DISP 4 DIG 5X7	0 R 61	57.11.3104 100k	MF, 1%, 0207
0 C 172		1n0	PETP, 63V, 10%, RM5	0 D 244	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 DLZ 15	73.01.0405		LED DOT MATR-DISP 4 DIG 5X7	0 R 62	57.11.3104 100k	MF, 1%, 0207
0 C 181		1n0 1n0	PETP, 63V, 10%, RM5	0 D 245	50.04.0125 50.04.0125	1N4448 1N4448	75V, 150mA, 4ns, DO-35	0 DLZ 16	73.01.0405		LED DOT MATR-DISP 4 DIG 5X7	0 R 63	57.11.3104 100k	MF, 1%, 0207
0 C 182 0 C 191		1n0 1n0	PETP, 63V, 10%, RM5	0 D 246 0 D 247	50.04.0125 50.04.0125	1N4448 1N4448	75V, 150mA, 4ns, DO-35	0 DLZ 17	73.01.0405		LED DOT MATR-DISP 4 DIG 5X7	0 R 64 0 R 71	57.11.3104 100k	MF. 1%, 0207
0 C 191		1n0 1n0	PETP, 63V, 10%, RM5 PETP, 63V, 10%, RM5	0 D 247 0 D 248	50.04.0125	1N4448 1N4448	75V, 150mA, 4ns, DO-35	0 DLZ 18	73.01.0405		LED DOT MATR-DISP 4 DIG 5X7	0 R71	57.11.3104 100k	MF, 1%, 0207
3 0 182	33.00.0102	1110	1 1F, 03V, 1U/0, KIVIS	0 D 248 0 D 249	50.04.0125	1N4448 1N4448	75V, 150mA, 4ns, DO-35 75V, 150mA, 4ns, DO-35	0 DLZ 19	73.01.0405		LED DOT MATR-DISP 4 DIG 5X7	0 R 73	57.11.3104 100k 57.11.3104 100k	MF, 1%, 0207
0 D11	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 D 249 0 D 250	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35 75V, 150mA, 4ns, DO-35	0 DLZ 20	73.01.0405		LED DOT MATR-DISP 4 DIG 5X7	0 R74	57.11.3104 100k 57.11.3104 100k	MF, 1%, 0207 MF, 1%, 0207
0 D12	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 D 250	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 DLZ 21	50.04.2812	not	DLZ 11*D GB	0 R75	57.11.3104 100k 57.11.3102 1k0	MF, 1%, 0207
0 D 21	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 D 252	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 DLZ 22	not used	not used	not used	0 R 81	57.11.3102 1K0 57.11.3104 100k	MF, 1%, 0207
0 D 22	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 D 253	50.04.0125	1N4448	75V, 150mA, 4ns, DC-35	0 DLZ 23 0 DLZ 24	50.04.2812 not used	not used	DLZ 11*D GB not used	0 R 82	57.11.3104 100k	MF, 1%, 0207
0 D 31	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 D 254	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 DLZ 24 0 DLZ 25	not used 50.04.2812	not used	DLZ 11*D GB	0 R 83	57.11.3104 100k	MF, 1%, 0207
0 D 32	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 D 255	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 DLZ 26	not used	not used	not used	0 R 84	57.11.3104 100k	MF, 1%, 0207
0 D 41	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 D 256	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 DLZ 27	50.04.2812	HOL GOEG	DLZ 11*D GB	0 R 91	57.11.3104 100k	MF, 1%, 0207
0 D 42	50,04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 D 257	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 DLZ 28	not used	not used	not used	0 R 92	57.11.3104 100k	MF, 1%, 0207
0 D 51	50,04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 D 258	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 DLZ 28	50.04.2812	HOLLISEU	DLZ 11*D GB	0 R 93	57.11.3104 100k	MF, 1%, 0207
0 D 52	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 D 259	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 DLZ 30	not used	not used	not used	0 R 94	57.11.3104 100k	MF, 1%, 0207
0 D 61	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 D 260	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 DLZ 31	50.04.2812		DLZ 11*D GB	0 R 95	57.11.3102 1k0	MF, 1%, 0207
0 D 62·	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 D 261	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 DLZ 32	not used	not used	not used	0 R 101	57.11.3104 100k	MF, 1%, 0207
0 D 71	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 D 262	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 DLZ 32	50.04.2812		DLZ 11*D GB	0 R 102	57.11.3104 100k	MF, 1%, 0207
0 D72	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 D 263	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 DLZ 34	not used	not used	not used	0 R 103	57.11.3104 100k	MF, 1%, 0207
0 012						4514440			2000					
0 D 81	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 D 264	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 DLZ 35	50.04.2812		DLZ 11*D GB	0 R 104	57.11.3104 100k	MF, 1%, 0207





Pos.	Part No. Qty.	Type/Val.	Description	ldx.	Pos.	Part No. Qty.	Type/Val.	Description
R 112	57.11.3104	100k	MF, 1%, 0207	0	S 43	55.15.0622	1*a	S TASTE 1°A, 5MM, RT/RT
R 113	57.11.3104	100k	MF, 1%, 0207	0	S 44	55.15.0655	1*a	S TASTE 1*A, 5MM, GN/GN
R 114 R 115	57.11.3104 57.11.3102	100k 1k0	MF, 1%, 0207 MF, 1%, 0207	0	S 45 S 46	55.15.0744 55.15.0644	1*a 1*a	S TASTE 1*A, 12MM, GB/GB S TASTE 1*A, 5MM, GB/GB
R 121	57.11.3102	100k	MF, 1%, 0207 MF, 1%, 0207	0	S 45 S 47	55.15.0644 55.15.0644	1*a	S TASTE 1*A, 5MM, GB/GB
R 122	57.11.3104	100k	MF, 1%, 0207	0	S 48	55.15.0755	1*a	S TASTE 1*A, 12MM, GN/GN
R 123	57.11.3104	100k	MF, 1%, 0207	0	S 49	55.15.0644	1*a	S TASTE 1*A, 5MM, GB/GB
R 124	57.11.3104	100k	MF, 1%, 0207	0	S 50	55.15.0644	1*a	S TASTE 1*A, 5MM, GB/GB
R 131	57.11.3104	100k	MF, 1%, 0207	0	S 51	55,15.0644	1*a	S TASTE 1*A, 5MM, GB/GB
R 132	57.11.3104	100k	MF, 1%, 0207	0	S 52	55.15.0644	1*a	S TASTE 1*A, 5MM, GB/GB
R 133	57.11.3104	100k	MF, 1%, 0207	0	S 53	55.15.0644	1*a	S TASTE 1*A, 5MM, GB/GB
R 134 R 135	57.11.3104 57.11.3102	100k 1k0	MF, 1%, 0207 MF, 1%, 0207	0	S 54 S 55	55.15.0644 55.15.0622	1*a 1*a	S TASTE 1*A, 5MM, GB/GB S TASTE 1*A, 5MM, RT/RT
R 141	57.11.3104	100k	MF, 1%, 0207	0	S 56	55.15.0622	1*a	S TASTE 1*A, 5MM, RT/RT
R 142	57.11.3104	100k	MF, 1%, 0207	0	S 57	55.15.0622	1*a	S TASTE 1*A, 5MM, RT/RT
R 143	57.11.3104	100k	MF, 1%, 0207	0	S 58	55.15.0644	1*a	S TASTE 1*A, 5MM, GB/GB
R 144	57.11.3104	100k	MF, 1%, 0207	0	S 59	55.15.0644	1*a	S TASTE 1*A, 5MM, GB/GB
R 151	57.11.3104	100k	MF, 1%, 0207	0	S 60	55.15.0644	1*a	S TASTE 1*A, 5MM, GB/GB
R 152	57.11.3104	100k	MF, 1%, 0207	0	S 61	55.15.0644	1*a	S TASTE 1*A, 5MM, GB/GB
R 153 R 154	57.11.3104	100k 100k	MF, 1%, 0207	0	S 62	55.15.0644	1*a	S TASTE 1*A, 5MM, GB/GB
R 161	57.11.3104 57.11.3104	100k	MF, 1%, 0207	0	S 63 S 64	55.15.0644 55.15.0644	1*a 1*a	S TASTE 1*A, 5MM, GB/GB S TASTE 1*A, 5MM, GB/GB
R 162	57.11.3104	100k	MF, 1%, 0207 MF, 1%, 0207	0	S 65	55.15.0644 55.15.0644	1*a	S TASTE 1*A, 5MM, GB/GB
R 163	57.11.3104	100k	MF, 1%, 0207	0	S 66	55.15.0644	1*a	S TASTE 1*A, 5MM, GB/GB
R 164	57.11.3104	100k	MF, 1%, 0207	0	S 67	55.15,0644	1*a	S TASTE 1*A, 5MM, GB/GB
R 171	57.11.3104	100k	MF, 1%, 0207	0	S 68	55.15.0655	1*a	S TASTE 1*A, 5MM, GN/GN
R 172	57.11.3104	100k	MF, 1%, 0207	0	S 69	55.15.0622	1*a	S TASTE 1*A, 5MM, RT/RT
R 173	57.11.3104	100k	MF, 1%, 0207	0	\$ 70	55.15.0644	1*a	S TASTE 1*A, 5MM, GB/GB
R 174 R 181	57.11.3104 57.11.3104	100k 100k	MF, 1%, 0207	0	S 71	55.15.0644	1*a	S TASTE 1*A, 5MM, GB/GB
R 181	57.11.3104 57.11.3104	100k 100k	MF, 1%, 0207 MF, 1%, 0207	0	S 72 S 73	55.15.0644 55.15.0644	1*a 1*a	S TASTE 1*A, 5MM, GB/GB
R 183	57.11.3104 57.11.3104	100k	MF, 1%, 0207	0	S 73 S 74	55.15.0644 55.15.0744	1*a 1*a	S TASTE 1*A, 5MM, GB/GB S TASTE 1*A, 12MM, GB/GB
R 184	57.11.3104	100k	MF, 1%, 0207	1	S 75	55.15.0722	1*a	S TASTE 1*A, 12MM, RT/RT
R 191	57.11.3104	100k	MF, 1%, 0207	1	S 76	55.15.0722	1*a	S TASTE 1*A, 12MM, RT/RT
R 192	57.11.3104	100k	MF, 1%, 0207	0	S 77	55.15.0722	1*a	S TASTE 1*A, 12MM, RT/RT
R 193	57.11.3104	100k	MF, 1%, 0207	0	S 101	1.940.751.02		ROTARY ENCODER
R 194	57.11.3104	100k	MF, 1%, 0207	0	S 102	1.940.751.02		ROTARY ENCODER
D7 1	57.00.4470	0*4*71-	20/ 210 0	0	S 103	1.940.751.02		ROTARY ENCODER
RZ 1 RZ 2	57.88.4473 57.88.4473	8*47k 8*47Ŀ	2%, SIP 9	0	S 104	1.940.751.02		ROTARY ENCODER
RZ 3	57.88.4473 57.88.4473	8*47k 8*47k	2%, SIP 9 2%, SIP 9	0	S 105 S 106	1.940.751.02		ROTARY ENCODER
RZ 4	57.88.4473	6 47k 8*47k	2%, SIP 9 2%, SIP 9	0	S 106 S 107	1.940.751.02 1.940.751.02		ROTARY ENCODER ROTARY ENCODER
RZ 5	57.88.4473	8*47k	2%, SIP 9	0	S 107	1.940.751.02		ROTARY ENCODER
RZ 6	57.88.4473	8*47k	2%, SIP 9	0	S 109	1.940.751.02		ROTARY ENCODER
				0	S 110	1.940.751.02		ROTARY ENCODER
S 1	55.15.0655	1*a	S TASTE 1*A, 5MM, GN/GN	0	S 111	1.940.751.02		ROTARY ENCODER
S 2	55.15.0644	1*a	S TASTE 1*A, 5MM, GB/GB	0	S 112	1.940.751.02		ROTARY ENCODER
S 3	55.15.0644	1*a	S TASTE 1*A, 5MM, GB/GB	0	S 113	1.940.751.02		ROTARY ENCODER
S 4 S 5	55.15.0622 55.15.0622	1*a 1*a	S TASTE 1*A, 5MM, RT/RT S TASTE 1*A, 5MM, RT/RT	0	S 114	1.940.751.02		ROTARY ENCODER
S 6	55.15.0622	1*a	S TASTE 1*A, 5MM, RT/RT	0	S 115 S 116	1,940.751.02 1.940.751.02		ROTARY ENCODER ROTARY ENCODER
S 7	55.15.0655	1*a	S TASTE 1*A, 5MM, GN/GN	0	S 117	1.940.751.02		ROTARY ENCODER
S 8	55.15.0655	1*a	S TASTE 1*A, 5MM, GN/GN	0	S 118	1.940.751.02		ROTARY ENCODER
S 9	55.15.0644	1*a	S TASTE 1*A, 5MM, GB/GB	0	S 119	1.940.751.02		ROTARY ENCODER
S 10	55.15.0644	1*a	S TASTE 1*A, 5MM, GB/GB					
S 11	55.15.0644	1*a	S TASTE 1*A, 5MM, GB/GB				End of List -	**************************************
S 12	55.15.0644	1*a	S TASTE 1*A, 5MM, GB/GB	Cor	mments:			
S 13	55.15.0644 55.15.0644	1*a	S TASTE 1*A, 5MM, GB/GB			additional inserted		
S 14 S 15	55.15.0644 55.15.0644	1 * a 1 * a	S TASTE 1*A, 5MM, GB/GB S TASTE 1*A, 5MM, GB/GB			185 changed to 54.12.0724		
S 16	55.15.0622	1*a	S TASTE 1'A, 5MM, RT/RT					
S 17	55.15.0644	1*a	S TASTE 1*A, 5MM, GB/GB					
S 18	55.15.0644	1*a	S TASTE 1*A, 5MM, GB/GB					
S 19	55.15.0644	1*a	S TASTE 1*A, 5MM, GB/GB					
S 20	55.15.0622	1*a	S TASTE 1*A, 5MM, RT/RT					
S 21	55.15.0622	1*a	S TASTE 1*A, 5MM, RT/RT					
S 22	not used	not used	not used					
S 23 S 24	55.15.0644 55.15.0622	1*a 1*a	S TASTE 1*A, 5MM, GB/GB S TASTE 1*A, 5MM, RT/RT					
S 24	55,15.0622	1*a	S TASTE 1*A, 5MM, RT/RT					
S 26	55.15.0622	1*a	S TASTE 1*A, 5MM, RT/RT					
S 27	55.15.0644	1*a	S TASTE 1*A, 5MM, GB/GB					
S 28	55.15.0644	1*a	S TASTE 1*A, 5MM, GB/GB					
S 29	55.15.0644	1*a	S TASTE 1*A, 5MM, GB/GB					
S 30	55.15.0644	1*a	S TASTE 1*A, 5MM, GB/GB					
S 31	55.15.0644	1*a	S TASTE 1*A, 5MM, GB/GB					
S 32	55.15.0644	1*a	S TASTE 1*A, 5MM, GB/GB					
S 33	55.15.0655	1*a	S TASTE 1*A, 5MM, GN/GN					
S 34 S 35	55.15.0644 55.15.0655	1*a 1*a	S TASTE 1*A, 5MM, GB/GB					
S 36	55.15.0655 55.15.0644	1*a 1*a	S TASTE 1*A, 5MM, GN/GN S TASTE 1*A, 5MM, GB/GB					
S 36	55.15.0644 55.15.0655	1*a 1*a	S TASTE 1*A, 5MM, GB/GB S TASTE 1*A, 5MM, GN/GN					
S 38	55.15.0644	1 a 1*a	S TASTE 1*A, 5MM, GB/GB					
S 39	55.15.0644	1*a	S TASTE 1*A, 5MM, GB/GB					
		1*a						
S 40	55.15.0644	1 d	S TASTE 1*A, 5MM, GB/GB					

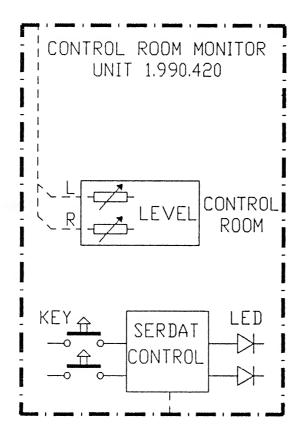
SCHEMATA / CIRCUIT DIAGRAMS

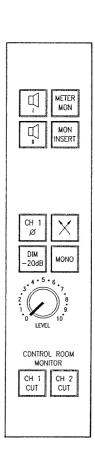
Monitor Units

CR Monitor Control Unit	1.990.420.00
CR Monitor Control Unit CR Monitor Switch Board	
Studio Monitor Control Unit	1.990.430.00
Studio Monitor Control Unit Studio Monitor Switch Board	
PFL/Talk Back Headphone Unit	1.990.440.00
PFL/Talk Back Headphone Unit - PFL/Talk Back Switch Board	
Source Selector Unit	1.990.490.00
Source Selector Unit Source Selector Switch Board	

Edition: 13.12.96 Section 4

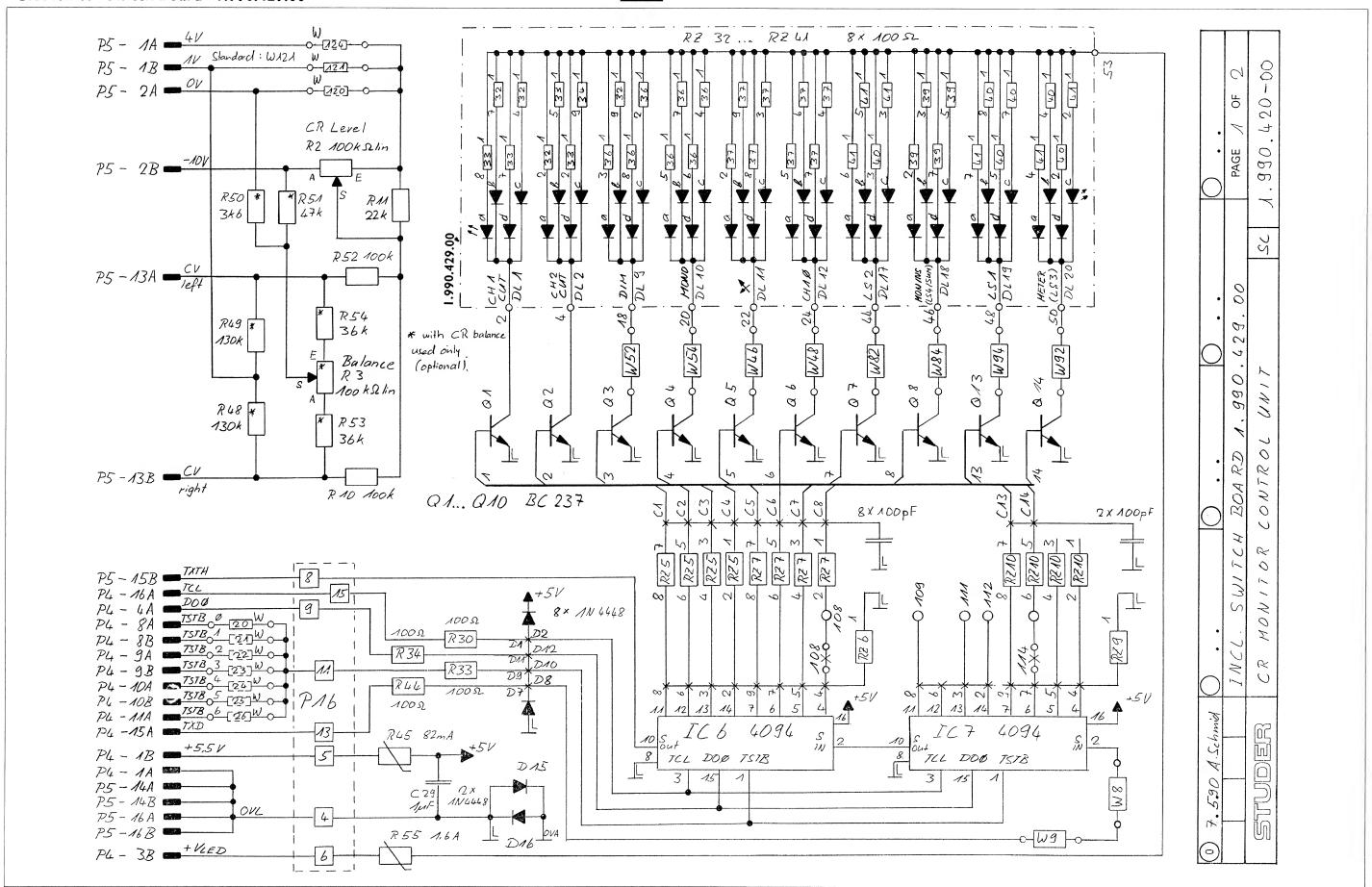
CR Monitor Control Unit 1.990.420.00





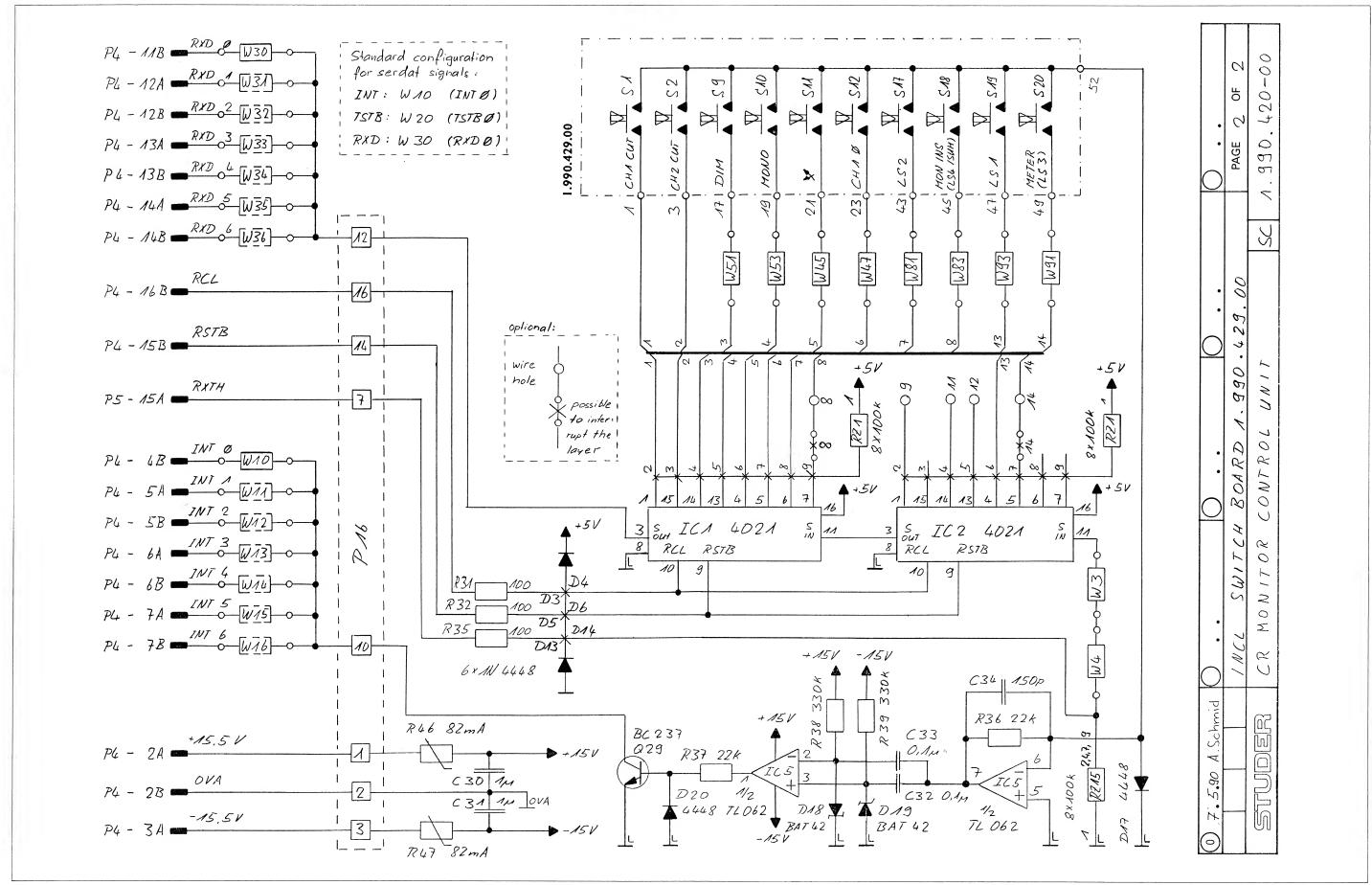
CR Monitor Control Unit 1.990.420.00 - CR Monitor Switch Board 1.990.429.00



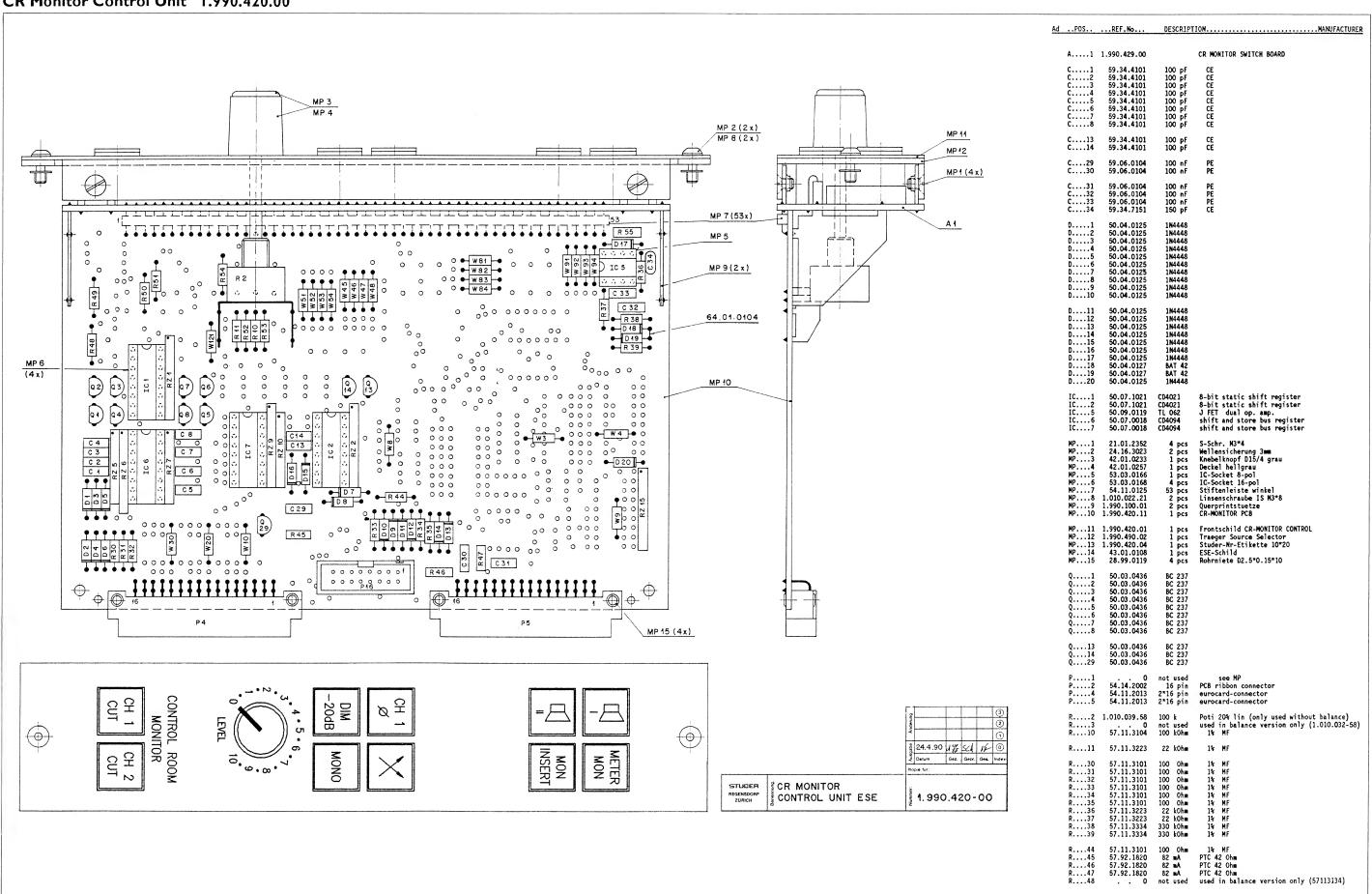








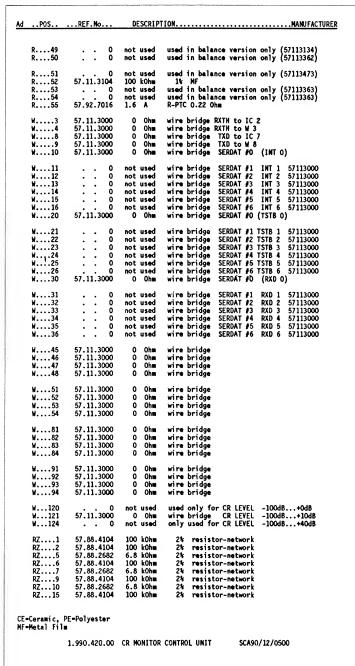
CR Monitor Control Unit 1.990.420.00



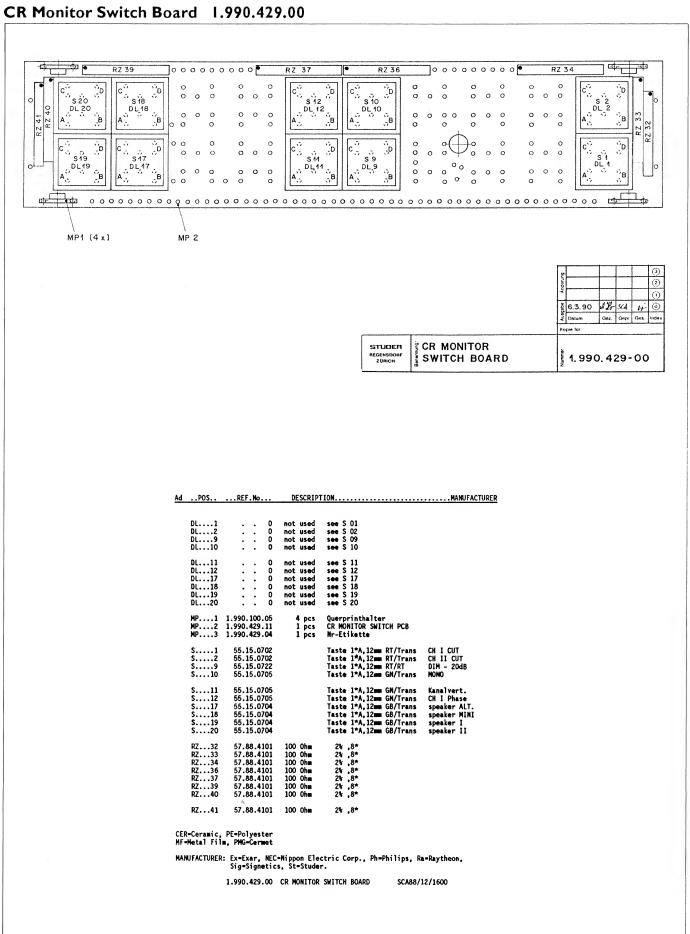
STUDER D941 Mixing Console

CR Monitor Control Unit 1.990.420.00



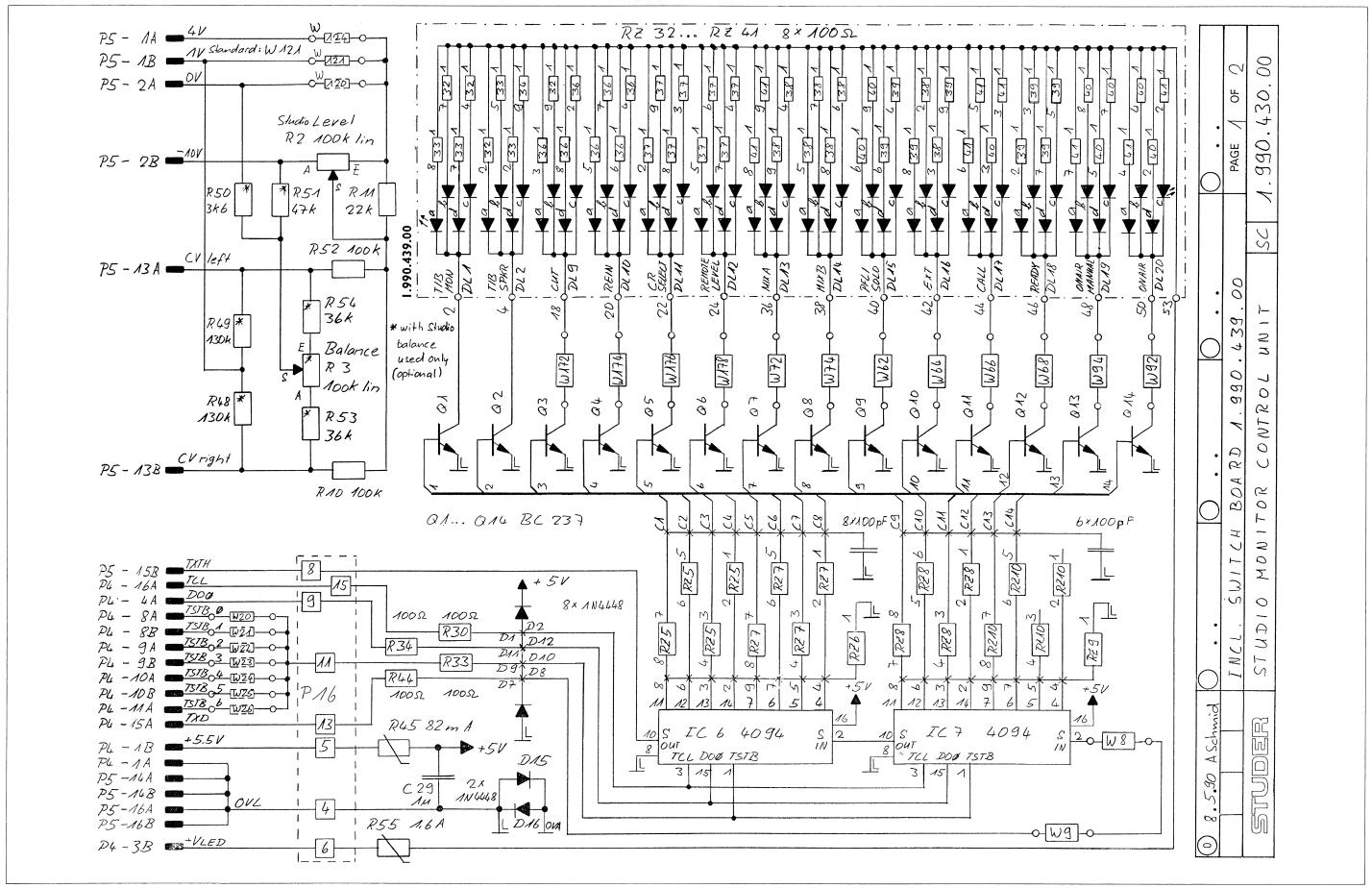


SECTION 4



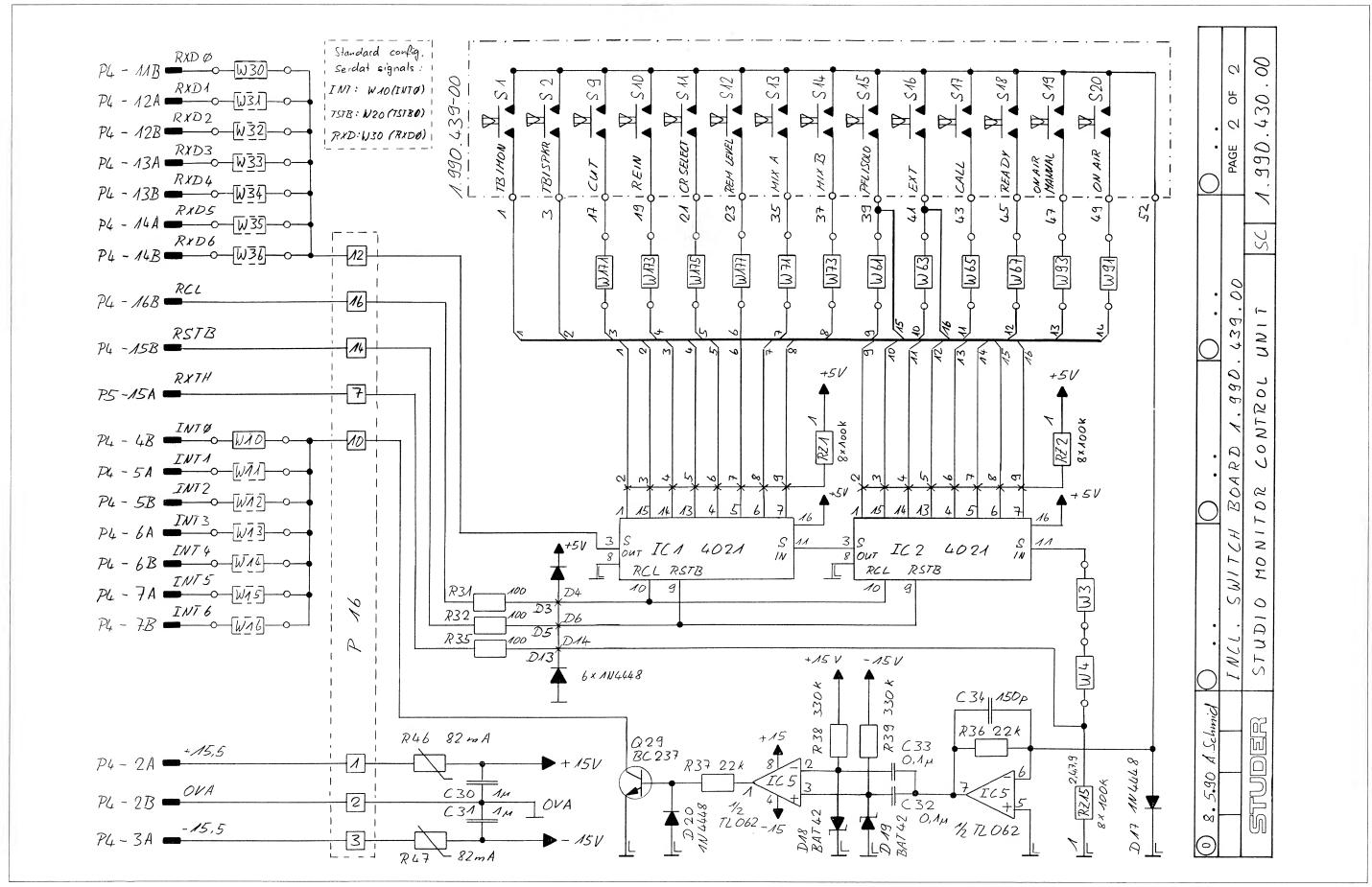
Studio Monitor Control Unit 1.990.430.00 - Studio Monitor Switch Board 1.990.439.00





Studio Monitor Control Unit 1.990.430.00 - Studio Monitor Switch Board 1.990.439.00

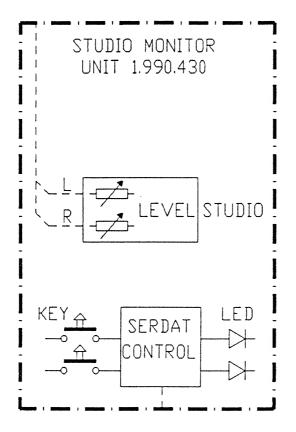


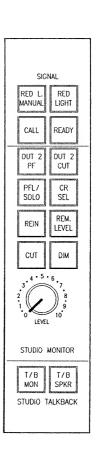


Pin Location List CR Monitor Control Unit 1.990.420.00

P 		NAME 	REMARK	B=BUS O=CONNECTION S=SYMMETRIC I=INVERS AS=ASYMMETRIC
P4 P4 P4 P4 P4 P4 P4 P4 P4 P4 P4 P4 P4 P	01B 02A	+ 5.5V + 15.5V OV-A - 15.5V +34V LED DO O INT O INT 1 INT 2 INT 3 INT 4 INT 5 INT 6 TSTB 0 TSTB 1 TSTB 2 TSTB 3 TSTB 4 TSTB 5 TSTB 5 TSTB 6 RXD 0 RXD 1 RXD 2 RXD 3 RXD 4	GROUND SIGN (LOGIC) + SUPPLY + SUPPLY GROUND AUDIO - SUPPLY LED SUPPLY VARIABLE +34V DATA OUT O (ENABLE) INTERUPT 0 INTERUPT 1 INTERUPT 2 INTERUPT 3 INTERUPT 4 INTERUPT 6 TRANSMIT STROBE 0 TRANSMIT STROBE 1 TRANSMIT STROBE 2 TRANSMIT STROBE 3 TRANSMIT STROBE 3 TRANSMIT STROBE 4 TRANSMIT STROBE 5 TRANSMIT STROBE 5 TRANSMIT STROBE 6 RECEIVE DATA 0 RECEIVE DATA 1 RECEIVE DATA 2 RECEIVE DATA 3 RECEIVE DATA 6 TRANSMIT DATA RECEIVE STROBE TRANSMIT DATA RECEIVE STROBE TRANSMIT DATA	B B B B B
P	16B 01A 02B 02B 03AB 04AB 05AB 05AB 06B 07A 07BA 08B 09B 10A 11AB 11AB 11AB 11AB 11AB 11AB 11AB	-10V	RECEIVE CLOCK CONTROL VOLTAGE VCA CONTROL VOLTAGE VCA CONTROL VOLTAGE VCA CONTROL VOLTAGE VCA N.C. N.C. N.C. N.C. N.C. N.C. N.C. N.	B X X

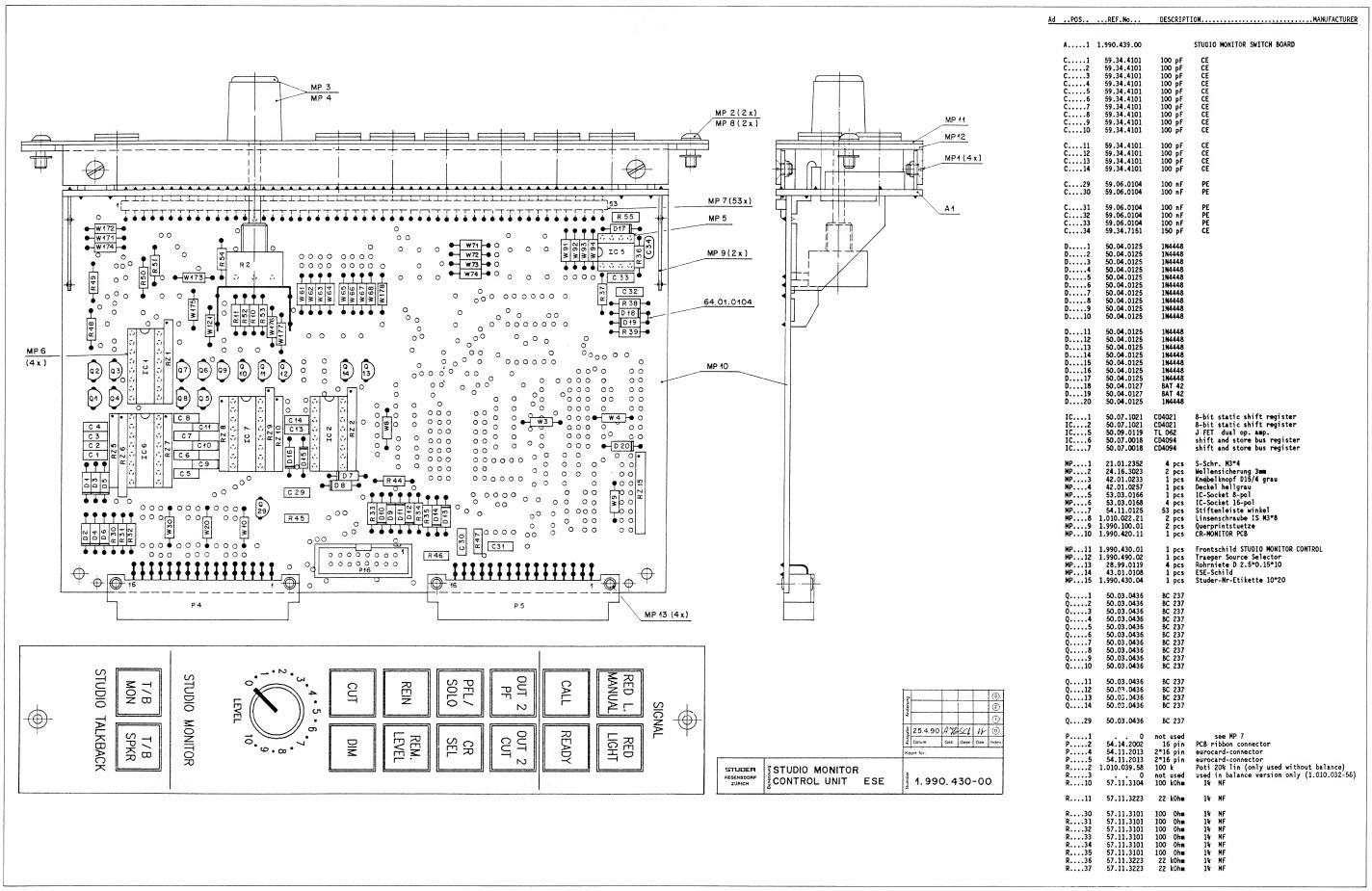
Studio Monitor Control Unit 1.990.430.00





Studio Monitor Control Unit 1.990.430.00

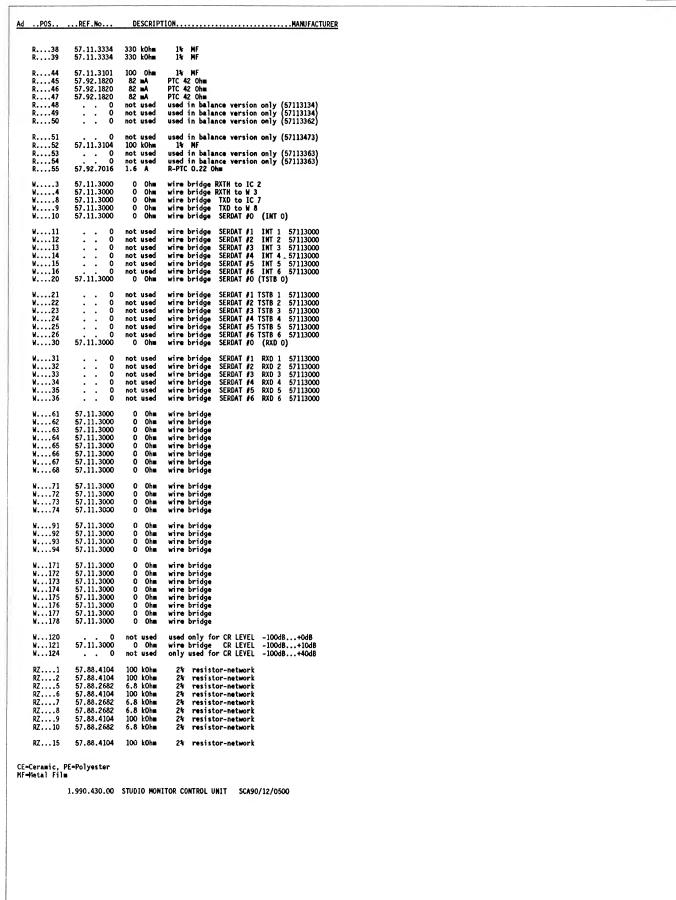




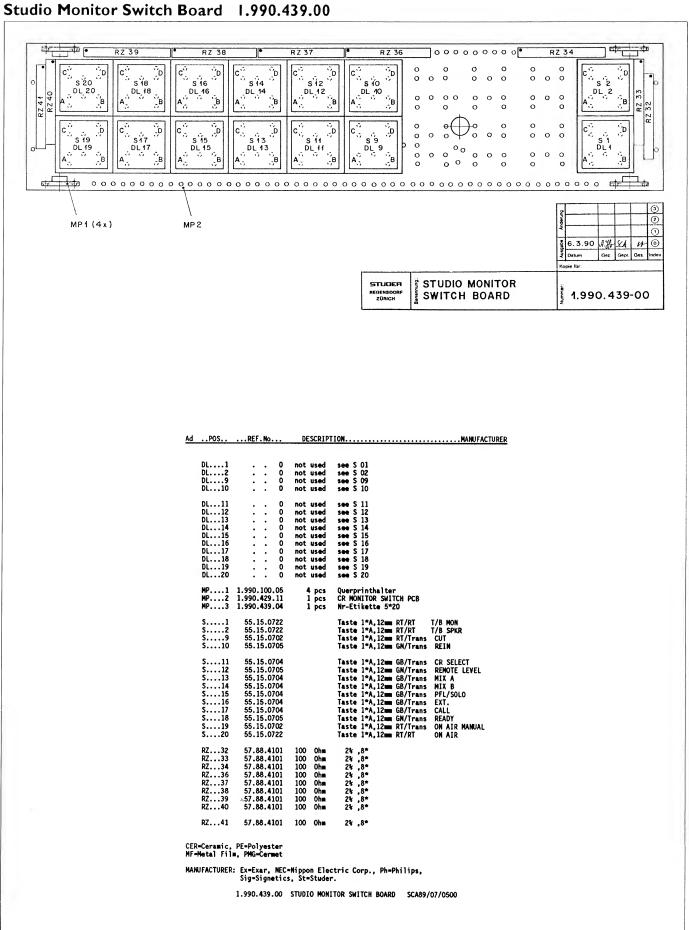
STUDER D941 Mixing Console

Studio Monitor Control Unit 1.990.430.00





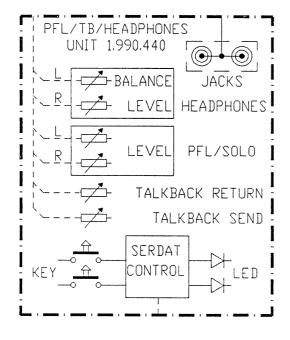
SECTION 4

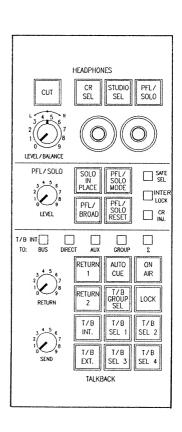


Pin Location List Studio Monitor Control Unit 1.990.430.00

	NAME 	REMARK	B=BUS O=CONNECTION S=SYMMETRIC I=INVERS AS=ASYMMETRIC
P4 014 P4 015 P4 026 P4 036 P4 056 P4 056 P4 066 P4 076 P4 076 P4 076 P4 076 P4 076 P4 076 P4 106 P4 106 P4 107 P4 126 P4 126 P4 126 P4 136 P4 146 P4 156 P4 166 P4 166	# + 5.5V # + 15.5V # - 15.5V # - 15.5V # + 34V LED # DO O # INT O # INT 1 # INT 2 # INT 3 # INT 4 # INT 5 # INT 5 # INT 6 # TSTB 0 # TSTB 1 # TSTB 2 # TSTB 2 # TSTB 3 # TSTB 4 # TSTB 5 # TSTB 5 # TSTB 5 # TSTB 6 # RXD 0 # RXD 1 # RXD 2 # RXD 3 # RXD 4 # RXD 5 # RXD 5 # RXD 6 # RXD 5 # RXD 6 # RXD 6 # RXD 5 # RXD 6 # RXD 7 # RXD 6 # RXD 7 # RXD 6 # RXD 6 # RXD 6 # RXD 6 # RXD 7 # RXD 6 # RXD 7 # RXD 8 # RXD 8	GROUND SIGN (LOGIC) + SUPPLY + SUPPLY GROUND AUDIO - SUPPLY LED SUPPLY VARIABLE +34V DATA OUT.O (ENABLE) INTERUPT 0 INTERUPT 1 INTERUPT 2 INTERUPT 3 INTERUPT 4 INTERUPT 5 INTERUPT 5 INTERUPT 6 TRANSMIT STROBE 0 TRANSMIT STROBE 1 TRANSMIT STROBE 2 TRANSMIT STROBE 3 TRANSMIT STROBE 4 TRANSMIT STROBE 5 TRANSMIT STROBE 5 TRANSMIT STROBE 6 RECEIVE DATA 0 RECEIVE DATA 1 RECEIVE DATA 2 RECEIVE DATA 3 RECEIVE DATA 4 RECEIVE DATA 6 TRANSMIT DATA RECEIVE STROBE TRANSMIT CLOCK RECEIVE CLOCK	B B B B B
P5 014 P5 014 P5 024 P5 038 P5 038 P5 044 P5 054 P5 066 P5 074 P5 088 P5 088 P5 088 P5 094 P5 098 P5 104 P5 124 P5 124 P5 125 P5 134 P5 135 P5 136 P5 156 P5 156 P5 156	### ##################################	CONTROL VOLTAGE VCA CONTROL VOLTAGE VCA CONTROL VOLTAGE VCA CONTROL VOLTAGE VCA N.C. N.C. N.C. N.C. N.C. N.C. N.C. N.	. в х

PFL / Talk Back / Headphone Unit 1.990.440.00

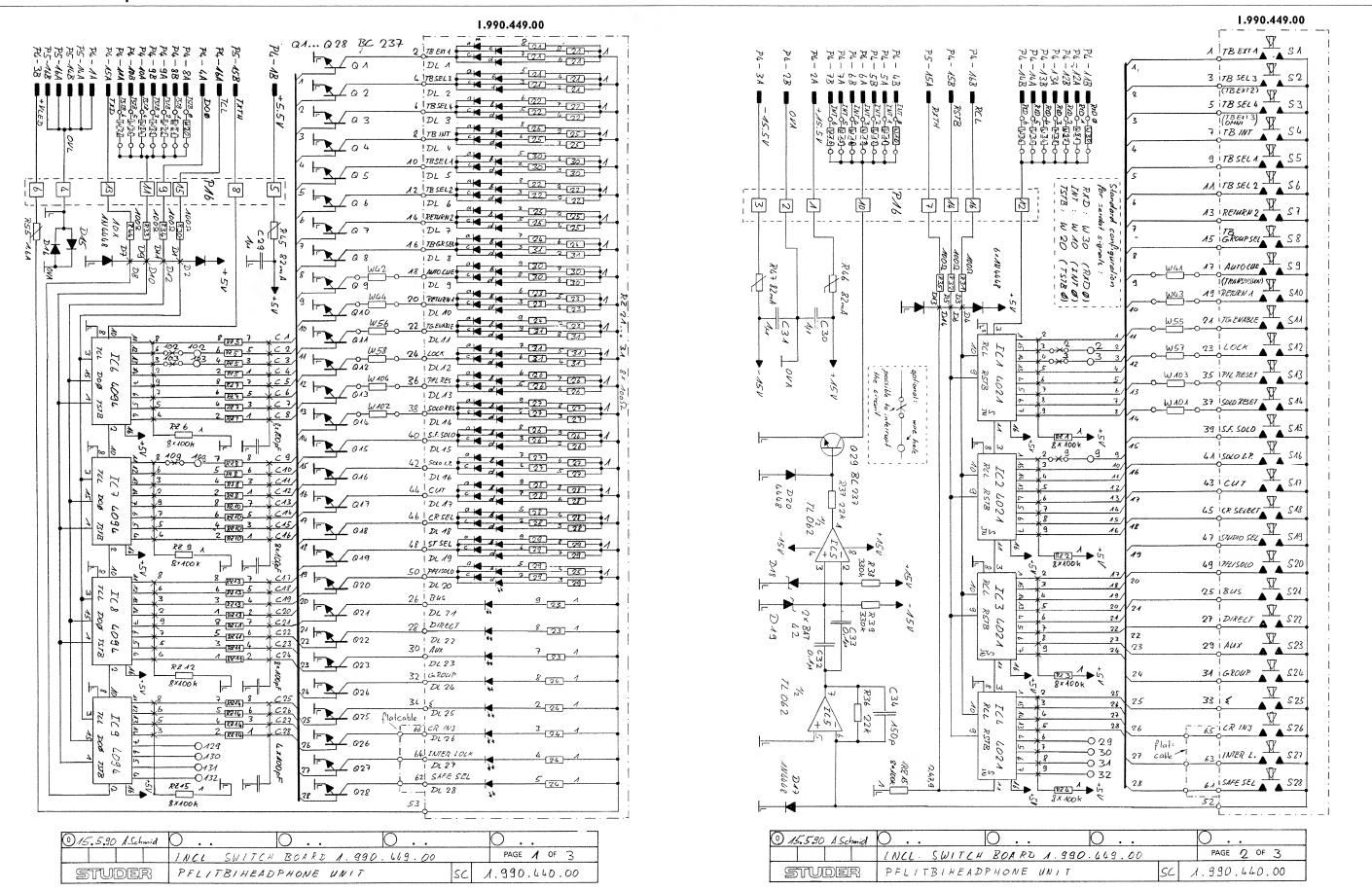






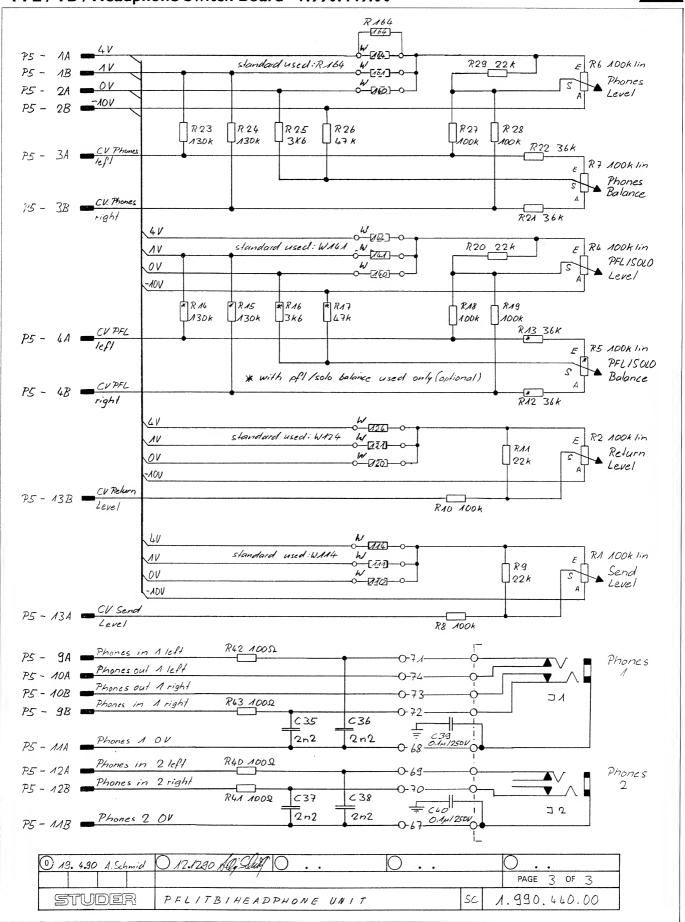
PFL / Talk Back / Headphone Unit 1.990.440.00 - PFL / TB / Headphone Switch Board 1.990.449.00





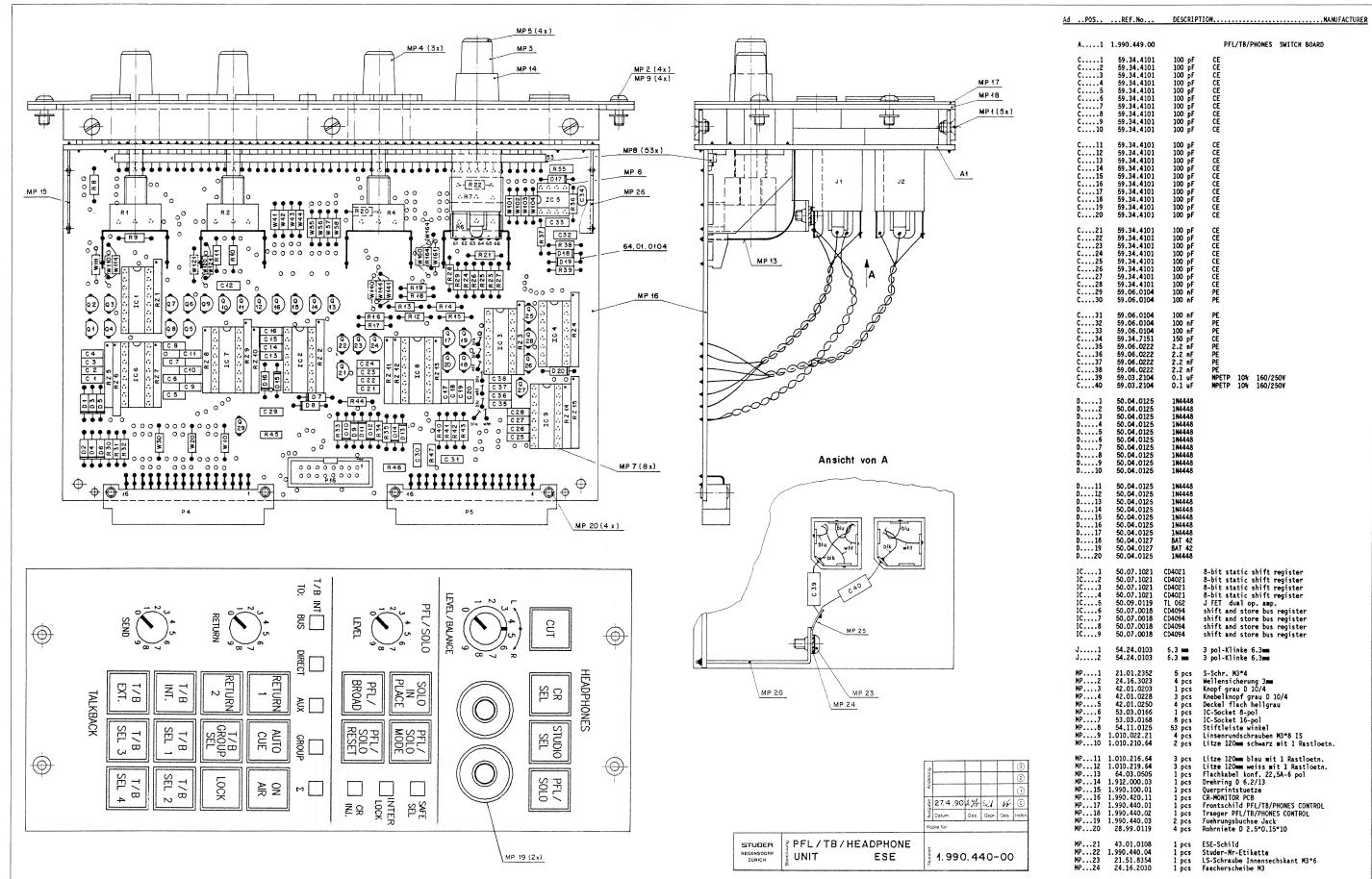
PFL / Talk Back / Headphone Unit 1.990.440.00 - PFL / TB / Headphone Switch Board 1.990.449.00





PFL / Talk Back / Headphone Unit 1.990.440.00





D941 Mixing Console STUDER

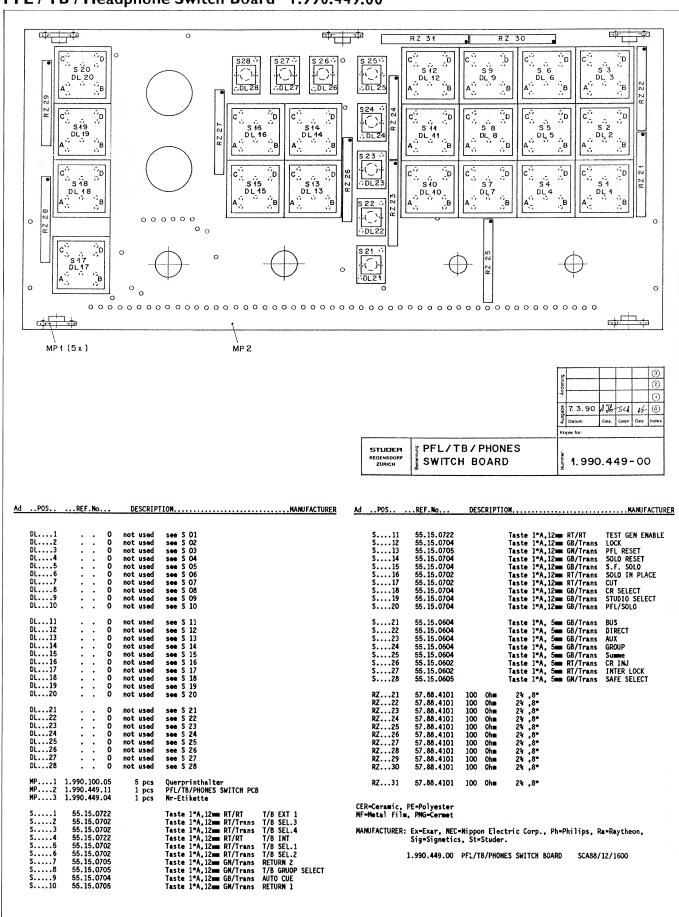
PFL / Talk Back / Headphone Unit 1.990.440.00



PFL/	аік вас	CK / IT	eadphone Unit 1.990.440	.00					
AdPOS	REF.No	DESCRIP	TIONMANUFACTURER	AdPOS	REF.No	DESCRIPT	TION		MANUFACTURER
Q1	50.03.0436	1 pcs 1 pcs BC 237	Loetoese M3 Querprintstuetze rechts	W24 W25 W26 W30	0 0 0 57.11.3000	not used not used not used 0 0hm			57113000 57113000
Q2 Q3 Q4 Q5 Q6 Q7 Q8 Q9	50.03.0436 50.03.0436 50.03.0436 50.03.0436 50.03.0436 50.03.0436	BC 237 BC 237 BC 237 BC 237 BC 237 BC 237 BC 237 BC 237 BC 237		W31 W32 W33 W34 W35 W36	0 0 0 0 0 0	not used not used not used not used not used not used	wire bridge SERI wire bridge SERI wire bridge SERI wire bridge SERI Bridge	DAT #1 RXD 1 DAT #2 RXD 2 DAT #3 RXD 3 DAT #4 RXD 4 DAT #5 RXD 5 DAT #6 RXD 6	57113000 57113000 57113000 57113000
Q12 Q12 Q13 Q14	50.03.0436 50.03.0436	BC 237 BC 237 BC 237 BC 237		W42 W43 W44	57.11.3000 57.11.3000 57.11.3000 57.11.3000	O Ohm O Ohm O Ohm	Bridge Bridge Bridge Bridge		
Q15 Q16 Q17 Q18 Q19	50.03.0436 50.03.0436 50.03.0436 50.03.0436	BC 237 BC 237 BC 237 BC 237 BC 237		W56 W57 W58	57.11.3000 57.11.3000 57.11.3000 57.11.3000	0 Ohm 0 Ohm 0 Ohm	Bridge Bridge Bridge Bridge		
Q21 Q21 Q22 Q23	50.03.0436 50.03.0436 50.03.0436	BC 237 BC 237 BC 237 BC 237 BC 237		W102 W103 W104 W110	57.11.3000 57.11.3000 57.11.3000 57.11.3000	0 Ohm 0 Ohm 0 Ohm not used	Bridge Bridge Bridge used only for SE	ND LEVEL -1	00dB+ 0dB
Q24 Q25 Q26 Q27	50.03.0436 50.03.0436 50.03.0436 50.03.0436	BC 237 BC 237 BC 237 BC 237		W111 W114 W120	57.11.3000	not used 0 Ohm not used	used only for SE wire bridge SE used only for RE	ND LEVEL -1 TURN LEVEL -1	
Q28 Q29	50.03.0436 50.03.0436	BC 237 BC 237		W121 W124	57.11.3000	not used 0 0hm	used only for RE wire bridge RE	TURN LEVEL -1 TURN LEVEL -1	00dB+10dB 00dB+40dB
P2 P4	54.14.2002	not used 16 pin 2*16 pin	see MP 8 PCB ribbon connector eurocard-connector	W140 W141	57.11.3000	not used 0 0hm	used only for PF wire bridge PF	L LEVEL -1 L LEVEL -1	00dB+ 0dB 00dB+10dB
P5 R1	54.11.2013 1.010.027.58	2*16 pin 100 k0hm	eurocard-connector Poti 20% lin SEND LEVEL	W144	0	not used	used only for PF		00dB+40dB
R2 R4 R5	1.010.027.58 1.010.027.58	100 kOhm 100 kOhm not used	Poti 20% lin RETURN LEVEL Poti used only in version without balance used only in balance version(1.010.032-58)	W160 W161 W164	0 0	not used not used not used	used only for PH used only for PH used only for PH	ONES LEVEL -1	00dB+10dB
R6 R7 R8	1.010.032.58	100 kOhm not used 100 kOhm	Poti incl. R7 (100k lin) PHONES LEVEL/BAL see R 6 1% MF	RZ1 RZ2	57.88.4104 57.88.4104	100 k0hm 100 k0hm	2% resistor-n 2% resistor-n	etwork	
R9 R10	57.11.3223	22 k0hm 100 k0hm	14 MF 14 MF	RZ3 RZ4	57.88.4104 57.88.4104	100 k0hm 100 k0hm	2% resistor-n 2% resistor-n	etwork etwork	
R11 R12		22 kOhm not used	1% MF used only in balance version (57113363)	RZ5 RZ6 RZ7	57.88.2682 57.88.4104 57.88.2682	6.8 kOhm 100 kOhm 6.8 kOhm	2% resistor-n 2% resistor-n 2% resistor-n	etwork	
R13 R14	: : 0	not used not used	used only in balance version (57113363) used only in balance version (57113363) used only in balance version (57113134) used only in balance version (57113334) used only in balance version (57113362)	RZ8 RZ9	57.88.2682 57.88.4104	6.8 kOhm 100 kOhm	2% resistor-n 2% resistor-n	etwork etwork	
R15 R16 R17	0	not used not used not used	used only in Dalance version (5/1134/3)	RZ10 RZ11	57.88.2682 57.88.2682	6.8 kOhm 6.8 kOhm	2% resistor-n 2% resistor-n		
R19 R19 R20	57.11.3104	100 k0hm 100 k0hm 22 k0hm	1% MF 1% MF 1% MF	RZ12 RZ13 RZ14 RZ15	57.88.4104 57.88.2682 57.88.2682 57.88.4104	100 k0hm 6.8 k0hm 6.8 k0hm 100 k0hm	2% resistor-n 2% resistor-n 2% resistor-n 2% resistor-n	etwork etwork	
R21 R22 R23 R24	57.11.3363 57.11.3134	36 kOhm 36 kOhm 130 kOhm 130 kOhm	1% MF 1% MF 1% MF 1% MF		PE=Polyester	100 KOIIII	24 16515001-11	ecmork	
R25 R26 R27 R28 R29 R30	57.11.3362 57.11.3473 57.11.3104 57.11.3104 57.11.3223	3.6 kOhm 47 kOhm 100 kOhm 100 kOhm 22 kOhm 100 Ohm	14 MF 14 MF 14 MF 14 MF 14 MF 14 MF	/	1.990.440.00	PFL/TB/HEA	DPHONE UNIT	SCA90/12/120	0
R31 R32 R33 R34	57.11.3101 57.11.3101	100 Ohm 100 Ohm 100 Ohm 100 Ohm	1% MF 1% MF 1% MF 1% MF						
R35 R36 R37 R38 R39	57.11.3223 57.11.3223 57.11.3334 57.11.3334	100 Ohm 22 kOhm 22 kOhm 330 kOhm 330 kOhm 100 Ohm	1% MF 1% MF 1% MF 1% MF 1% MF 1% MF						
R41 R42	57.11.3101 57.11.3101	100 Ohm 100 Ohm	1% MF 1% MF						
R43 R45 R46 R47	57.11.3101 57.11.3101 57.92.1820 57.92.1820 57.92.1820	100 Ohm 100 Ohm 82 mA 82 mA 82 mA	1% MF 1% MF PTC 42 Ohm PTC 42 Ohm						
R55	57.92.7016	1.60 A	R-PTC 0.14 Ohm						
R164	57.11.3682	6.8 k0hm	1% MF PHONES LEVEL -100dB+31dB						
₩10 ₩11	57.11.3000	0 0hm not used	wire bridge SERDAT #0 (INT 0) wire bridge SERDAT #1 INT 1 57113000						
W12 W13 W14 W15 W16	0 0 0 0	not used not used not used not used not used not used	wire bridge SERDAT #2 INT 3 57113000 wire bridge SERDAT #3 INT 3 57113000 wire bridge SERDAT #4 INT 4 57113000 wire bridge SERDAT #5 INT 5 57113000 wire bridge SERDAT #6 INT 6 57113000 wire bridge SERDAT #6 (TSTB 0)						
W21 W22 W23	0 0 0	not used not used not used	wire bridge SERDAT #1 TSTB 1 57113000 wire bridge SERDAT #2 TSTB 2 57113000 wire bridge SERDAT #3 TSTB 3 57113000						

SECTION 4

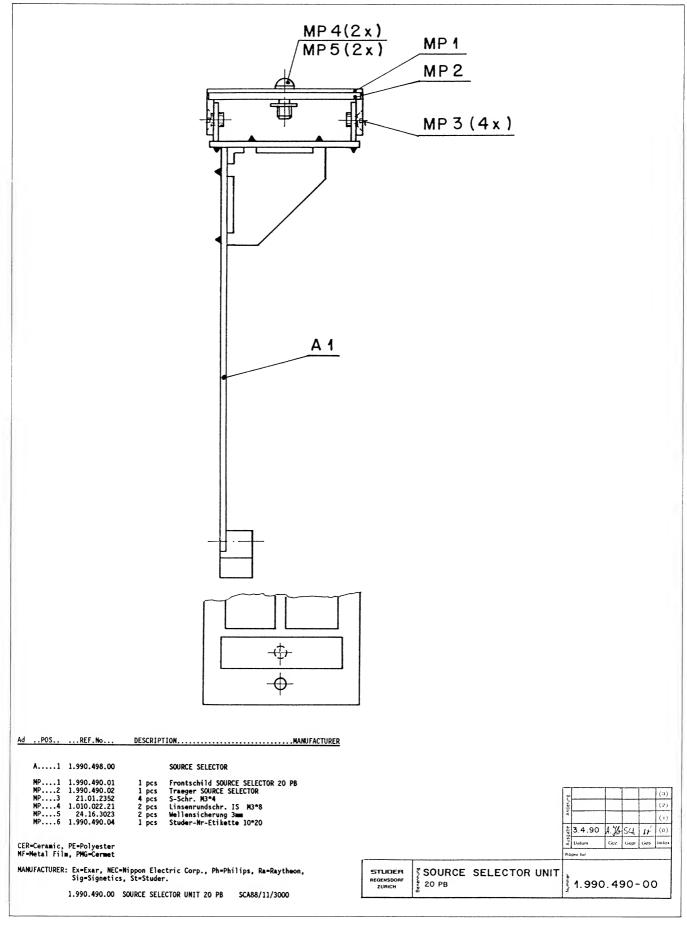
PFL / TB / Headphone Switch Board 1.990.449.00



Pin Location List PFL / Talk Back / Headphone Unit 1.990.440.00

P 	NO 	NAME 	REMARK	B=BUS 0=CONNECTION S=SYMMETRIC I=INVERS AS=ASYMMETRIC
P4 P4 P4 P4 P4 P4 P4 P4 P4 P4 P4 P4 P4 P	01A 01B 02B 03B 04A 05B 06B 07B 06B 07B 09B 10A 11B 12B 13B 14B 15B 16B	OV-L + 5.5V + 15.5V OV-A - 15.5V +34V LED DO O INT O INT 1 INT 2 INT 3 INT 4 INT 5 INT 6 TSTB 0 TSTB 1 TSTB 2 TSTB 3 TSTB 4 TSTB 5 TSTB 4 TSTB 5 TSTB 6 RXD 0 RXD 1 RXD 2 RXD 3 RXD 4 RXD 5 RXD 6 TXD RSTB TCL RCL	GROUND SIGN (LOGIC) + SUPPLY + SUPPLY GROUND AUDIO SUPPLY LED SUPPLY VARIABLE +34V DATA OUT O (ENABLE) INTERUPT O INTERUPT 1 INTERUPT 2 INTERUPT 3 INTERUPT 5 INTERUPT 6 TRANSMIT STROBE 0 TRANSMIT STROBE 1 TRANSMIT STROBE 1 TRANSMIT STROBE 3 TRANSMIT STROBE 3 TRANSMIT STROBE 5 TRANSMIT STROBE 5 TRANSMIT STROBE 6 RECEIVE DATA 0 RECEIVE DATA 1 RECEIVE DATA 2 RECEIVE DATA 4 RECEIVE DATA 5 RECEIVE DATA 6 TRANSMIT DATA RECEIVE STROBE TRANSMIT CLOCK RECEIVE CLOCK	B B B B B
555555555555555555555555555555555555555	01A 01B 02A 02B 03A 04B 05A 05B 06A 07B 08B 09A 10B 11A 11B 12A 13B 14 15B 16	+4V +1V OV -10V CV-PHONES-L CV-PHONES-R CV-PFL-L CV-PFL-R	CONTROL VOLTAGE VCA CONTROL VOLTAGE VCA CONTROL VOLTAGE VCA CONTROL VOLTAGE VCA CONTROL VOLTAGE HEADPHONE L CONTROL VOLTAGE HEADPHONE R CONTROL VOLTAGE PFL LEFT CONTROL VOLTAGE PFL RIGHT N.C. N.C. N.C. N.C. N.C. N.C. N.C. PHONE INPUT 1 LEFT PHONE INPUT 1 RIGHT PHONE OUTPUT 1 RIGHT PHONE OUTPUT 1 RIGHT PHONE OUTPUT 1 RIGHT GROUND SIGN PHONE 1 GROUND SIGN PHONE 2 INPUT PHONE 2 LEFT INPUT PHONE 2 RIGHT CTRL.VOLTAGE SEND LEVEL CTRL.VOLTAGE RETURN LEVEL GROUND SIGN (LOGIC) RECEIVE DATA THROUGH TRANSMIT DATA THROUGH GROUND SIGN (LOGIC)	

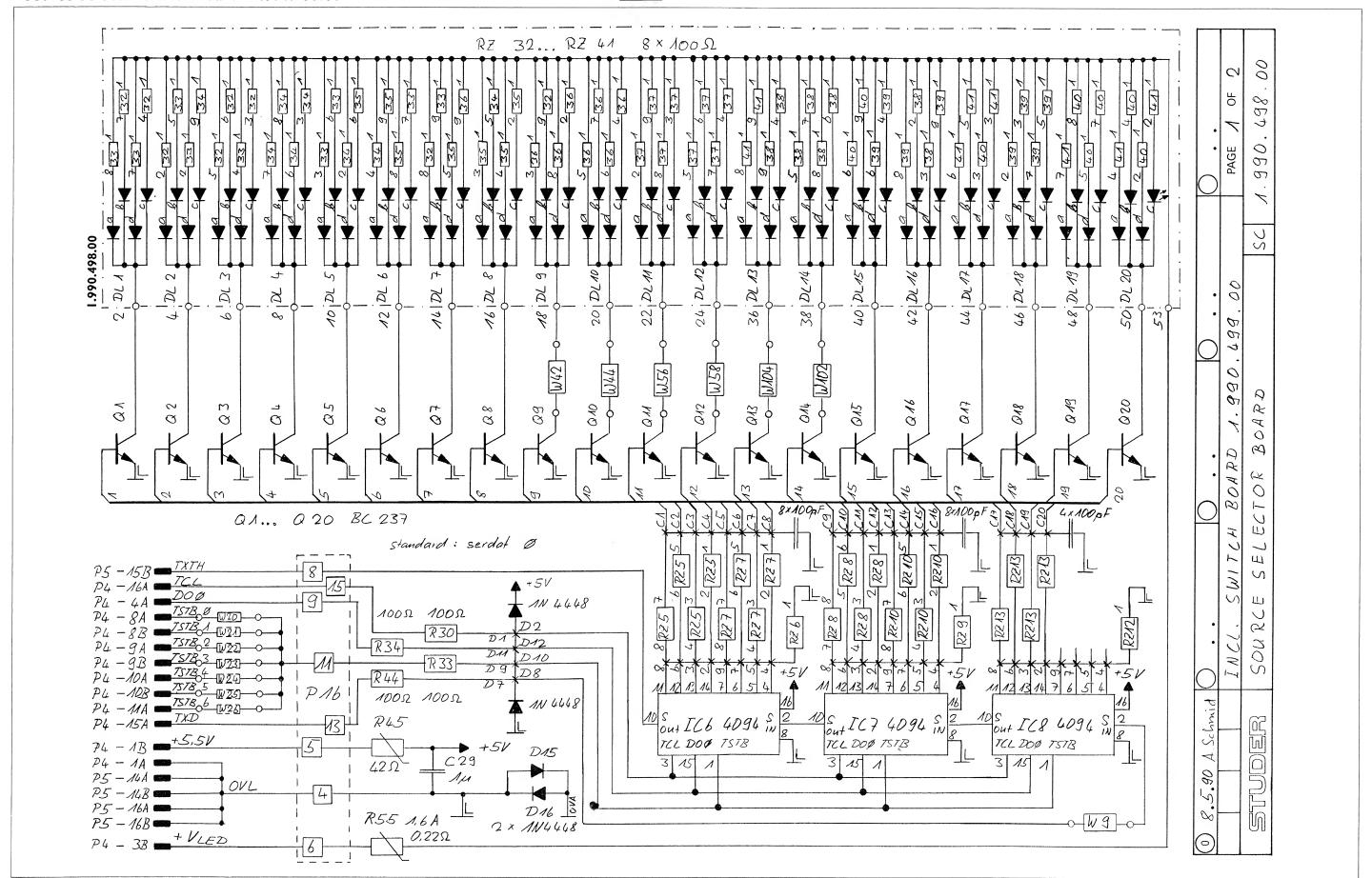
Source Selector Unit 1.990.490.00



Source Selector Board 1.990.498.00



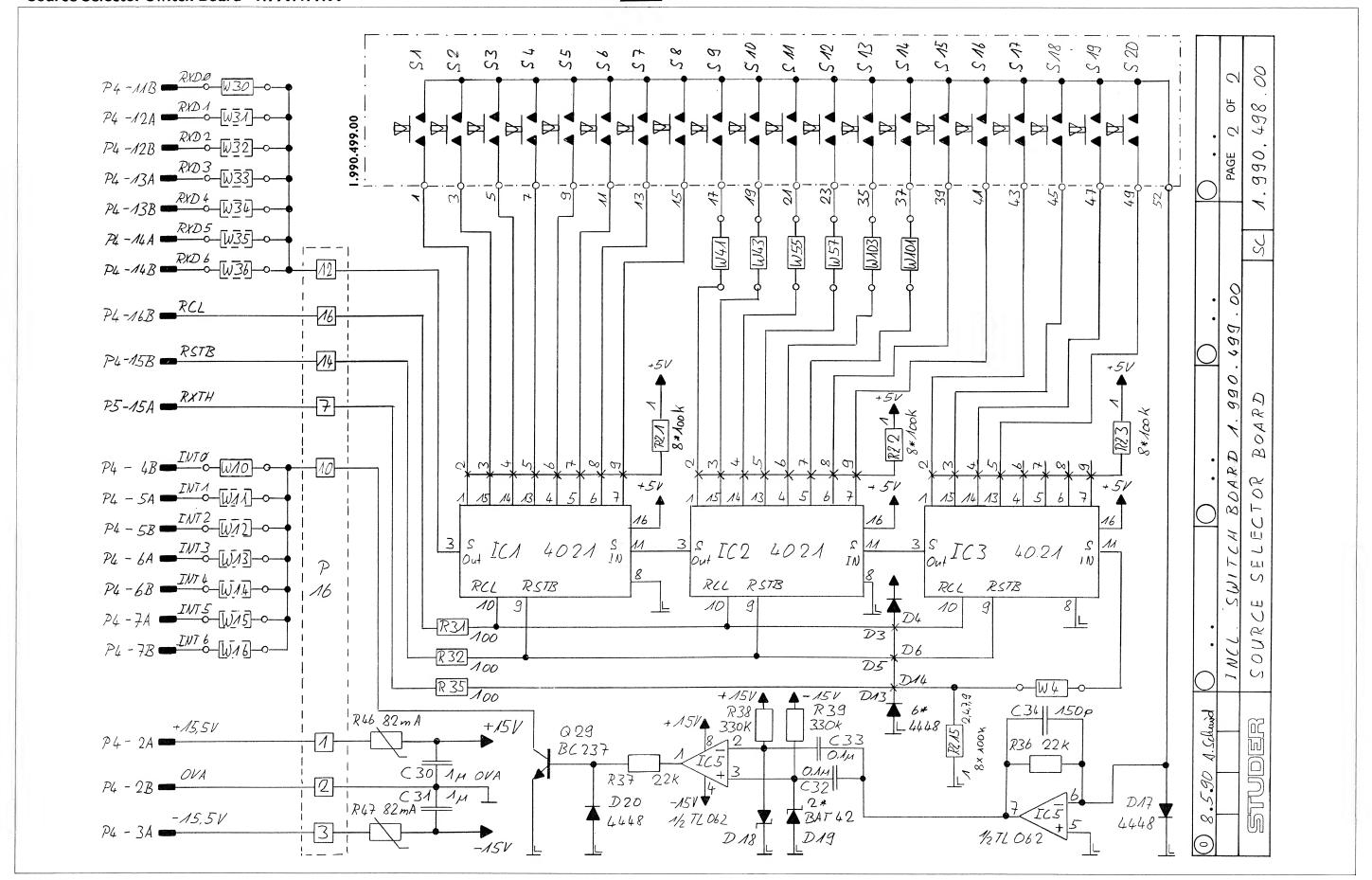




Source Selector Board 1.990.498.00

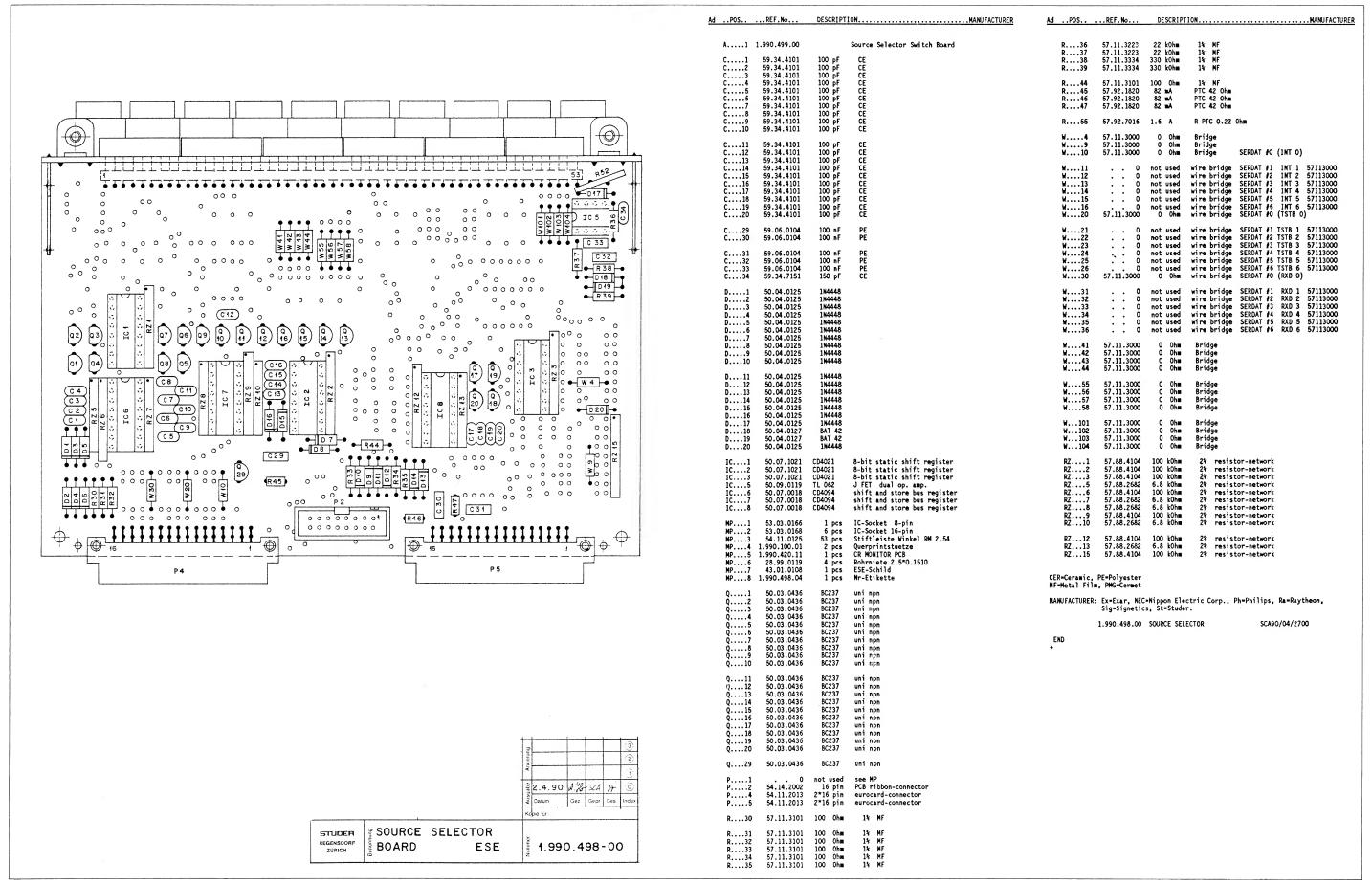
- Source Selector Switch Board 1.990.499.00





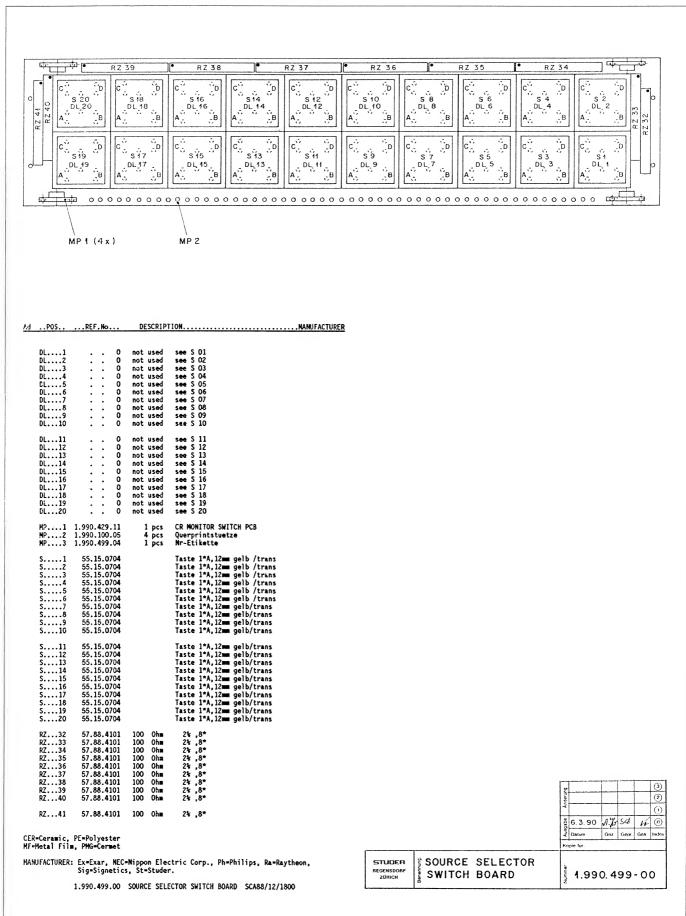
Source Selector Board 1.990.498.00







Source Selector Switch Board 1.990,499.00



SCHEMATA / CIRCUIT DIAGRAMS

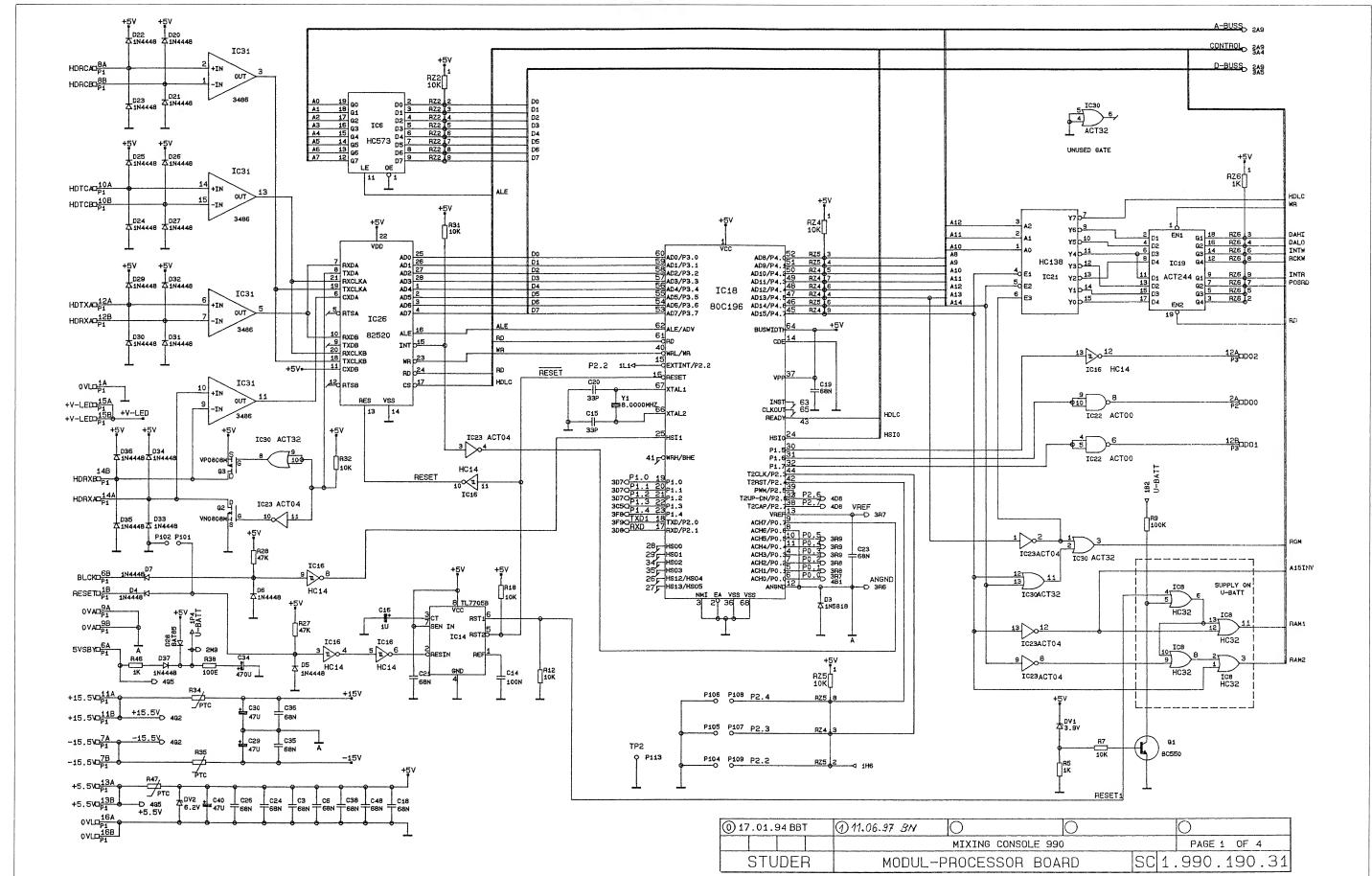
Processor and Interface Units

Modul Processor Board	1.990.190.31
Serdat Master Interface	1.990.496.00
Serdat Slave Interface	1.990.497.00

Edition: 13.12.96 Section 5

Modul Processor Board 1.990.190.31

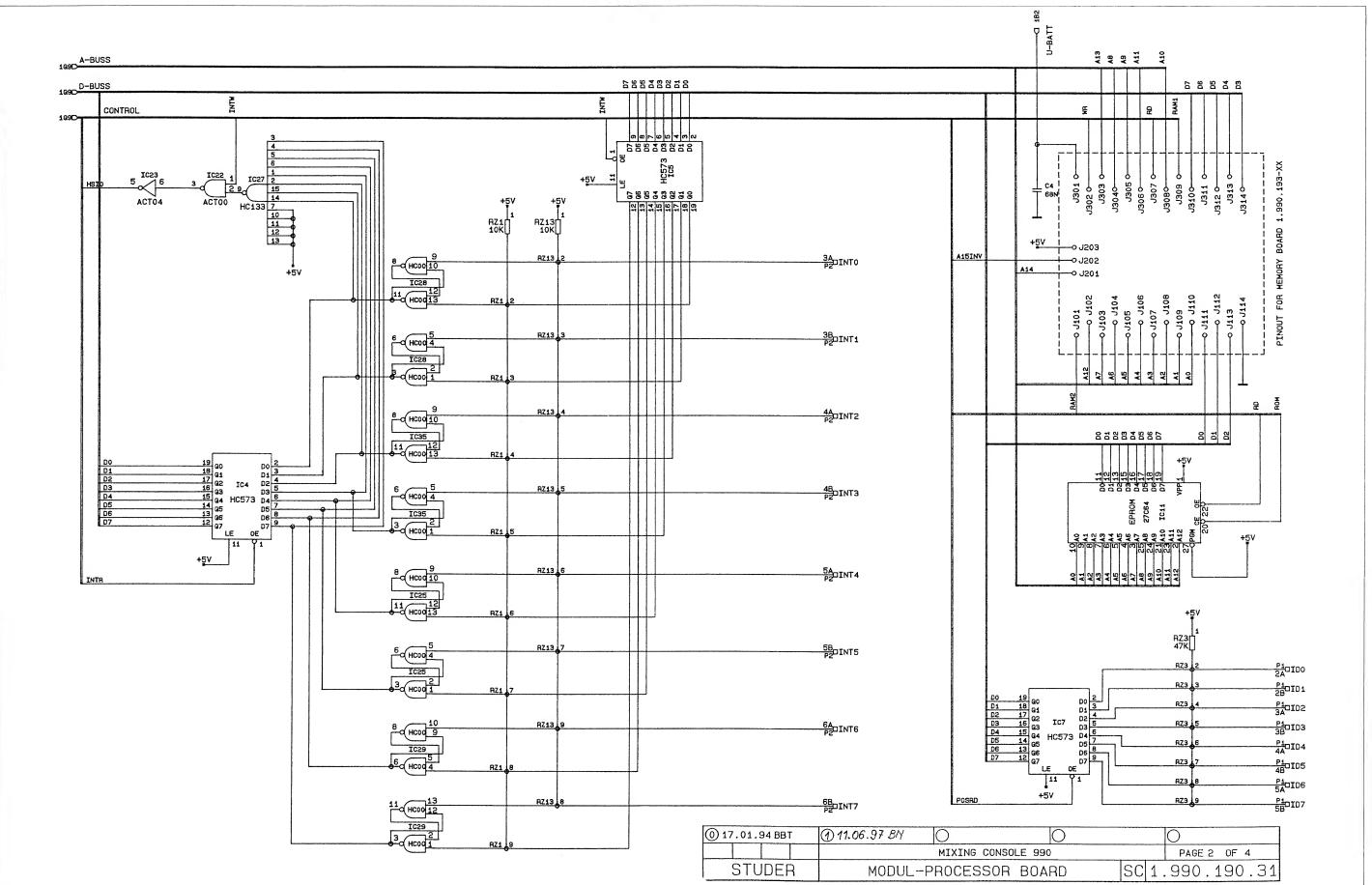


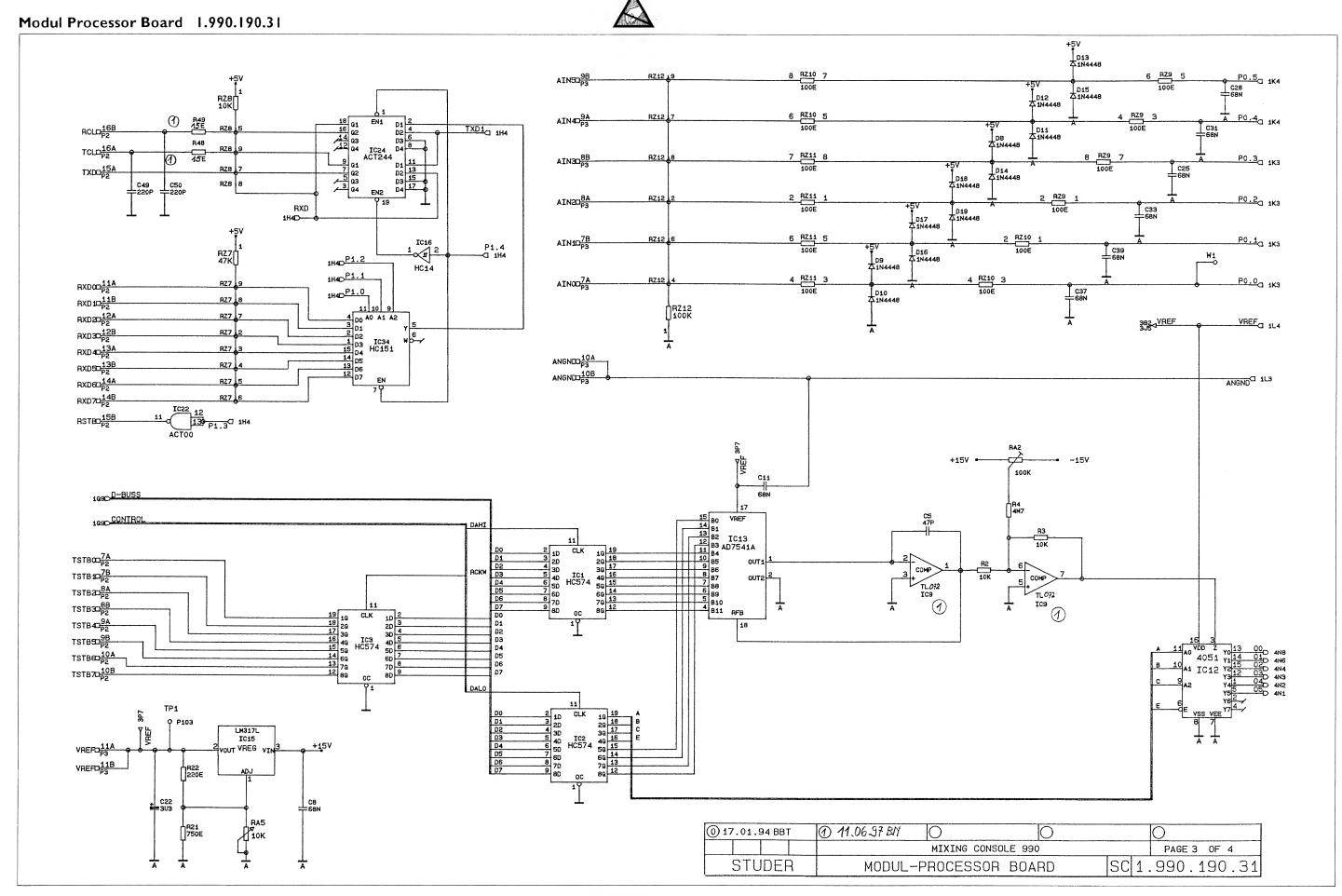


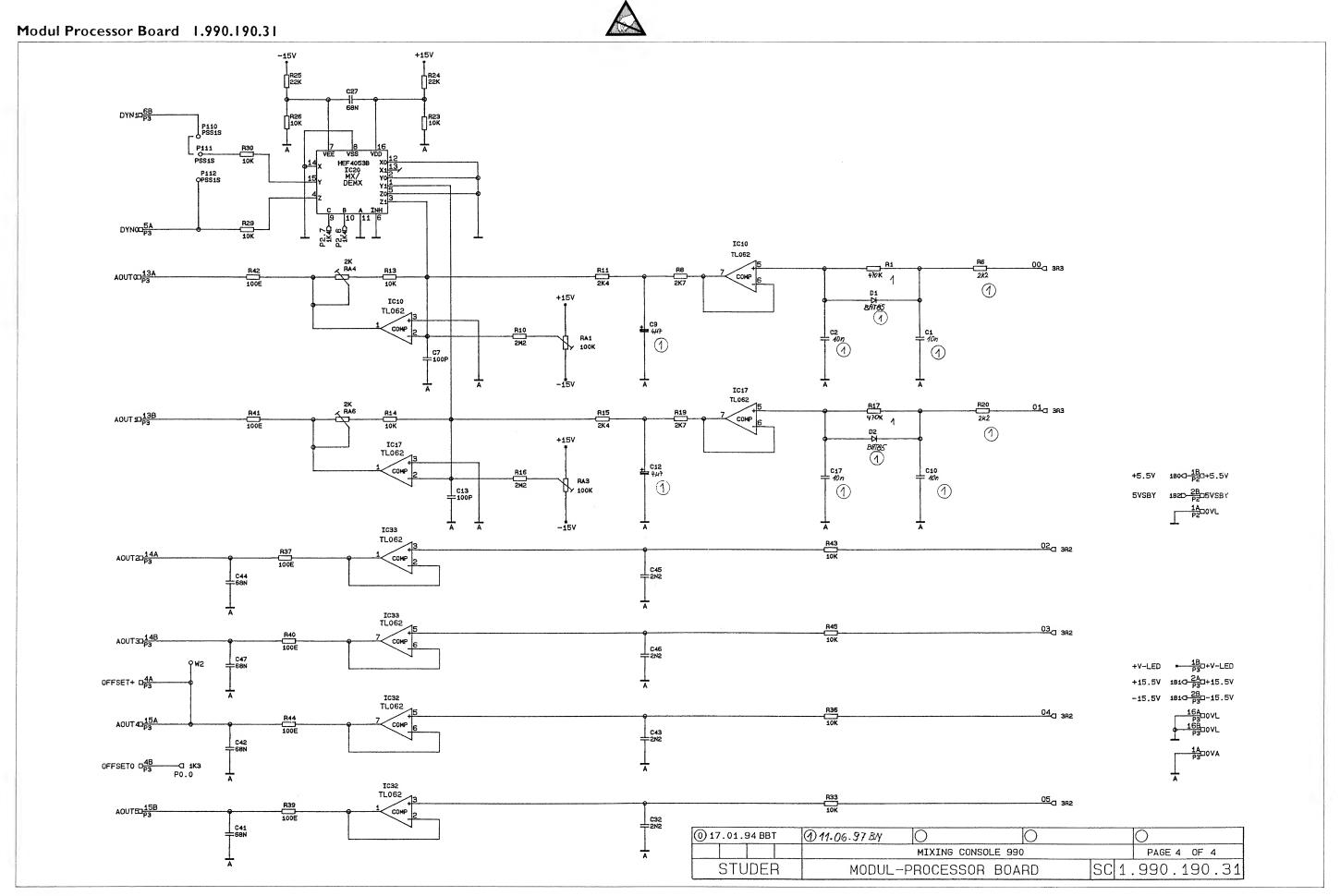
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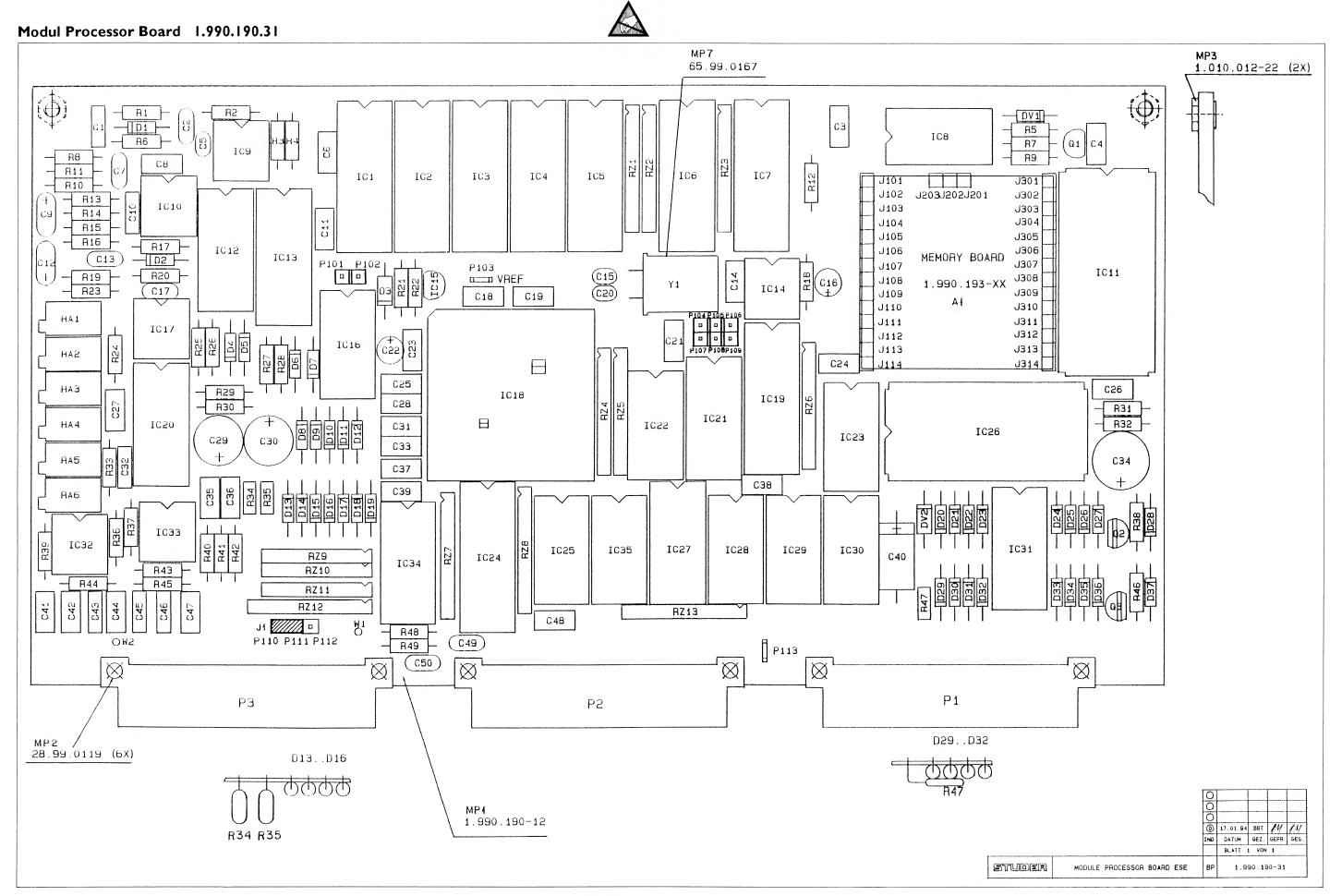


Modul Processor Board 1.990.190.31







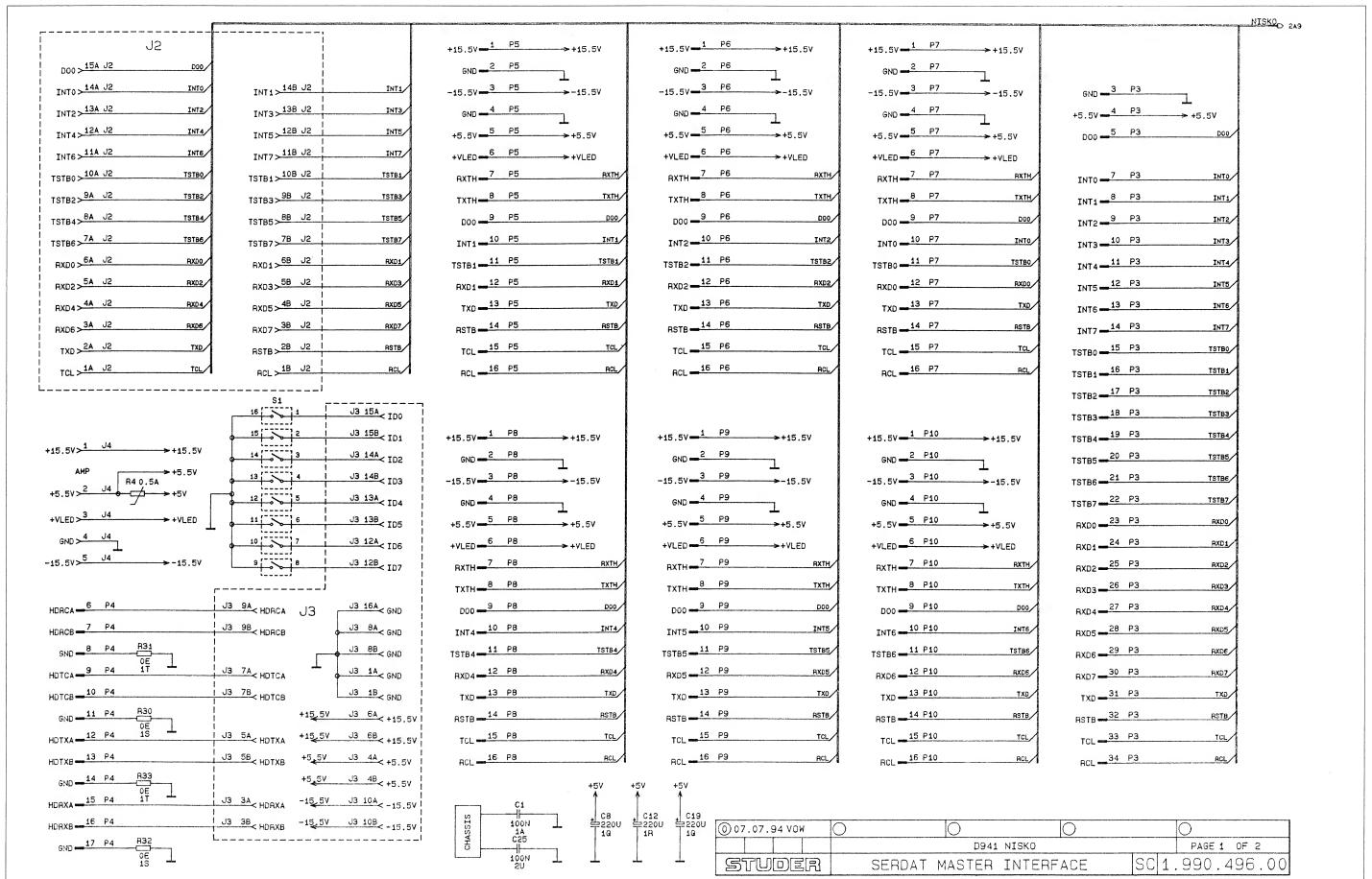




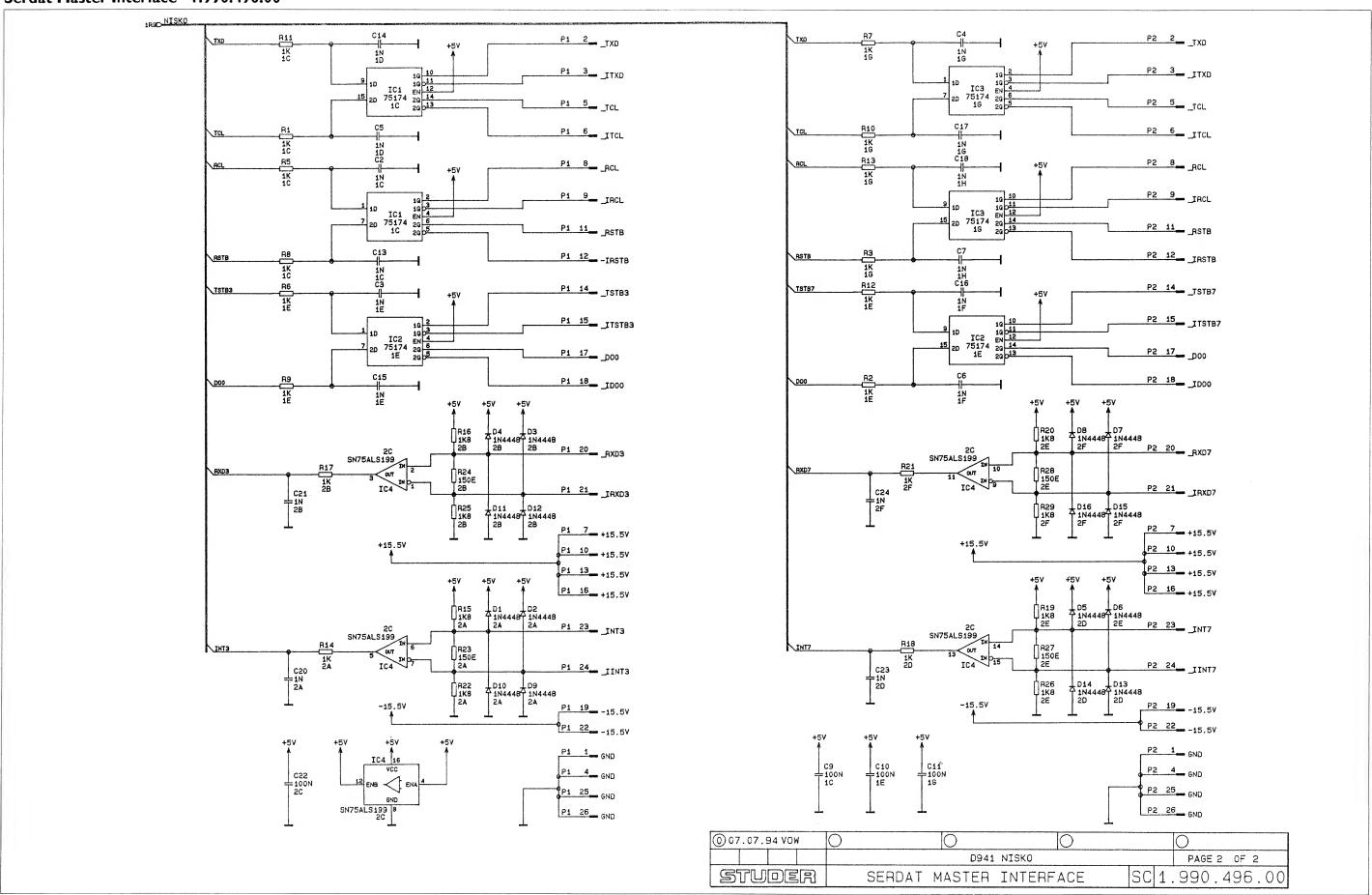
Modul Processor Board 1.990.190.31

. Pos.	Part No.	Qty. Type/Val.	Description	ldx. Pos.	Part No.	Qty. Type/Val.	Description	ldx. Pos.	Part No.	Qty. Type/Val.	Description	ldx. Pos.	Part No.	Qty. Type/Val.	Description
A 1	1.990.193.00		MEMORY BOARD ,A	0 D30	50.04.0125	1N4448	D 1N 4448, SI	0 MP1	1.990.190.12		MODULE PROCESSOR PCB	0 RA 4	58.05.0202	2k	R 2 K , 10% , .5 W , PM
	50.00.0000	2n2	C 2200 P . 10%, 63V , PETP	0 D31	50.04.0125	1N4448	D 1N 4448, SI	0 MP2	28.99.0119	6 pcs	ROHRNIETE D 2.5*0.15* 9	0 RA 5	58.05.0103	10k	R 10 K, 10%, .5 W, PM
1	59.06.0222 59.34.4221	220p	C 220 P, 10%, 000 , 1211	0 D 32	50.04.0125	1N4448	D 1N 4448, SI	0 MP3	1.010.012.22	2 pcs	NIETMUTTER SW 6 M 3 * 2	0 RA 6	58.05.0202	2k	R 2K,10%,.5W,PM
2 2 3	59.06.0683	68n	C .068 U , 10%, 63V , PETP	0 D 33	50.04.0125	1N4448	D 1N 4448, SI	0 MP4	1.101.001.31		TEXT-ETIK. 5*20 HARDWARE -31	0 RZ 1	57.88.4103	10k	RZ 8 * 10 K, 2%, SIP
3 4	59,06.0683	68n	C .068 U , 10%, 63V , PETP	0 D34 0 D35	50.04.0125 50.04.0125	1N4448 1N4448	D 1N 4448, SI D 1N 4448, SI	0 MP5 0 MP6	1.990.190.04 43.01.0108		NRETIKETTE 5 * 20 ESE-WARNSCHILD	0 RZ 2	57.88.4103	10k	RZ 8 * 10 K, 2%, SIP
25	59.34.2470	47p	C 47 P , 5%, N150 , CER	0 D36	50.04.0125	1N4448	D 1N 4448, SI D 1N 4448, SI	0 MP7	65.99.0167		POLYURH, KLEBBAND WS, 9* 3	0 RZ 3	57.88.4473	47k	RZ 8 * 47 K, 2%, SIP
C 6	59.06.0683	68n	C .068 U , 10%, 63V , PETP	0 D37	50.04.0125	1N4448	D 1N 4448, SI					0 RZ 4	57.88.4103	10k	RZ 8 * 10 K, 2%, SIP
C 7	59.34.2101	100p	C 100 P , 5%, N150 , CER	5 50	00.04.0120	1117770	D 1114440, OI	0 P1	54.11.2013	32-P	P EU-BK 2 * 16	0 RZ 5	57.88.4103	10k	RZ 8 * 10 K, 2%, SIP
C 8	59.06.0683	68n	C .068 U , 10%, 63V , PETP	0 DV 1	50.04.1101	3.9V	D 3.9 V, 5%, .40W, Z,	0 P2	54.11.2013	32-P	P EU-BK 2 * 16	0 RZ 6	57.88.4102	1k	RZ 8 * 1 K, 2%, SIP 9
C 9	59.26.2229	2u2	C 2.2 U , 20%, 16V , SAL	0 DV 2	50.04.1511	6.2V	D 6.2 V, 5%, 1.0W, Z,	0 P3 0 P101	54.11.2013 54.01.0020	32-P 1-P	P EU-BK 2 * 16 P STIFT .63*.63, H=5.8/3.4	0 RZ 7	57.88.4473	47k	RZ 8 * 47 K, 2%, SIP
C 10	59.06.0222	2n2	C 2200 P, 10%, 63V, PETP					0 P101	54.01.0020	1-P	P STIFT .63*.63, H=5.8/3.4	0 RZ 8	57.88.4103	10k	RZ 8 * 10 K, 2%, SIP
C 11	59.06.0683	68n	C .068 U , 10%, 63V , PETP	0 IC1	50.17.1574	74HC574	IC 74 HC 574 ., ,A	0 P102	54.02.0320	1-P	P FLACH, 2.8*0.8, GERADE	0 RZ 9	57.88.2101	R 4*100R	RZ 4*100 , 2%, SIP
C 12	59.26.2229	2u2	C 2.2 U , 20%, 16V , SAL	0 IC 2	50.17.1574	74HC574	IC 74 HC 574 ., ,A	0 P 103	54.01.0020	1-P	P STIFT .63*.63, H=5.8/3.4	0 RZ 10	57.88.2101	R 4*100R	RZ 4*100 , 2%, SIP
C 13	59,34.2101	100p	C 100 P, 5%, N150, CER	0 10 3	50.17.1574	74HC574	IC 74 HC 574 ., ,A	0 P 105	54.01.0020	1-P	P STIFT .63*.63, H=5.8/3.4	0 RZ 11	57.88.2101	R 4*100R	RZ 4*100 , 2%, SIP
C 14	59.06.0104	100n 33p	C .1 U , 10%, 63V , PETP C 33 P , 5%, N150 , CER	0 IC4 0 IC5	50.17.1573 50.17.1573	74HC573 74HC573	IC 74 HC 573 ., ,A	0 P 106	54.01.0020	1-P	P STIFT .63*.63, H=5.8/3.4	0 RZ 12	57.88.4104	100k	RZ 8*100 K, 2%, SIP
C 15	59.34.2330 59.30.6109	33ք 1u	C 1 U , 20%, 35V , TA	0 IC 6	50.17.1573	74HC573	IC 74 HC 573 ., ,A IC 74 HC 573 ., ,A	0 P 107	54.01.0020	1-P	P STIFT .63*.63, H=5.8/3.4	0 RZ 13	57.88.4103	10k	RZ 8 * 10 K, 2%, SIP
C 16 C 17	59.34.4221	220p	C 220 P . 5%, N750 , CER	0 IC 7	50.17.1573	74HC573	IC 74 HC 573 ., ,A	0 P 108	54.01.0020	1-P	P STIFT .63*.63, H=5.8/3.4	0 XIC 10	53.03.0166		XIC DIL 8-POL
C 17	59.06.0683	68n	C .068 U , 10%, 63V , PETP	0 10 8	50.17.1032	74HC32	IC 74 HC 32 ., ,A	0 P 109	54.01.0020	1-P	P STIFT .63*.63, H=5.8/3.4	0 XIC 11	53.03.0173		XIC DIL 28-POL.
C 19	59.06.0683	68n	C .068 U . 10%, 63V , PETP	0 10 9	50.09.0119	TL062	IC TL 062 ACP ,A	0 P 110	54.01.0020	1-P	P STIFT .63*.63, H=5.8/3.4	0 XIC 12	53.03.0168		XIC DIL 16-POL
C 20	59.34.2330	33p	C 33 P, 5%, N150, CER	0 IC 10	50.09.0119	TL062	IC TL 062 ACP ,A	0 P 111	54.01.0020	1-P	P STIFT .63*.63, H=5.8/3.4	0 XIC 13			XIC DIL 18-POL,
C 21	59.06.0683	68n	C .068 U , 10%, 63V , PETP	0 IC 11	50.14.0155	27C64	IC NMC 27 C 64 Q 200 ,A	0 P 112	54.01.0020	1-P	P STIFT .63*.63, H=5.8/3.4	0 XIC 17	53.03.0166		XIC DIL 8-POL
C 22	59.30.4339	3u3	C 3.3 U , 20%, 16V , TA				(SW. 1.990.993.30)	0 P 113	54.02.0320	1-P	P FLACH, 2.8*0.8, GERADE	0 XIC 18	53.03.2268		XIC PLCC 68 PIN
C 23	59.06.0683	68n	C .068 U , 10%, 63V , PETP	0 IC 12	50.07.0051	4051	IC 4051 ,A					0 XIC 31	53.03.0168		XIC DIL 16-POL
C 24	59.06.0683	68n	C .068 U , 10%, 63V , PETP	0 IC 13	50.19.0102	AD7541A	IC AD 7541 JN, MP 7623 JN ,A	0 Q1	50.03.0407	BC550C	Q BC 550 C;				
C 25	59.06.0683	68n	C .068 U , 10%, 63V , PETP	0 IC 14	50.11.0157	TL7705B	IC TL 7705 BCP,	0 Q2	50.03.1505 50.03.1554	VN0808M	Q VN 0808 M, ZVN 0108 A, ,A	0 Y1	89.01.1008	8.0000MHz	Y 8.000 MHZ, HC 18/U
C 26	59.06.0683	68n	C .068 U , 10%, 63V , PETP	0 IC 15	50.10.0108	LM317L	IC LM 317 LZ,	0 Q3	50.03.1554	VP0808M	Q VP 0808 M ,A				
C 27	59.06.0683	68n	C .068 U , 10%, 63V , PETP	0 IC 16	50.17.1014	74HC14	IC 74 HC 14 ., ,A	0 R1	57.11.3104	100k	R 100 K . 1% . 0207 . MF			End of	List
C 28	59.06.0683	68n	C .068 U , 10%, 63V , PETP	0 IC 17	50.09.0119	TL062	IC TL 062 ACP ,A	0 R2	57.11.3103	10k	R 10 K . 1% . 0207 . MF	Comments			
C 29	59,22,5470	47u	C 47 U ,-20%, 25V , EL	0 IC 18	50.63.0003	80C196	IC N 80C 196 KB - 12 ,A	0 R3	57.11.3103	10k	R 10 K, 1%, 0207, MF				
C 30	59.22.5470	47u	C 47 U ,-20%, 25V , EL	0 IC 19	50.17.7244	ACT244	IC 74 ACT 244 . ,A	0 R4	57.11.5475	4M7	R 4.7 M , 5%, 0207 , MF				
C 31	59.06.0683	68n	C .068 U , 10%, 63V , PETP	0 IC 20	50.07.0015	HEF4053B	IC 4053 ,A	0 R5	57.11.3102	1k	R 1K, 1%, 0207, MF				
C 32	59.06.0222	2n2	C 2200 P , 10%, 63V , PETP	0 IC 21	50.17.1138	74HC138	IC 74 HC 138 ., ,A	0 R6	57.11.3103	10k	R 10 K, 1%, 0207, MF				
C 33	59.06.0683	68n	C .068 U , 10%, 63V , PETP	0 IC 22	50.17.7000	ACT00	IC 74 ACT 00 . ,A	0 R7	57.11.3103	10k	R 10 K, 1%, 0207, MF				
C 34	59.22.2471	470u	C 470 U ,-20%, 6.3V , EL	0 IC 23	50.17.7004	ACT04	IC 74 ACT 04 . ,A	0 R8	57.11.3272	2k7	R 2.7 K, 1%, 0207, MF				
C 35	59.06.0683	68n	C .068 U , 10%, 63V , PETP	0 IC 24	50.17.7244	ACT244	IC 74 ACT 244 . ,A	0 R9	57.11.3104	100k	R 100 K, 1%, 0207, MF				
C 36	59.06.0683	68n	C .068 U , 10%, 63V , PETP	0 10 25	50.17.1000	74HC00	IC 74 HC 00 ., ,A	0 R 10	57.11.5225	2M2	R 2.2 M , 5%, 0207 , MF				
C 37	59.06.0683	68n	C .068 U , 10%, 63V , PETP	0 IC 26 0 IC 27	50.16.0153 50.17.1133	82520	IC SAB 82520-P ,A	0 R 11	57.11.3242	2k4	R 2.4 K, 1%, 0207, MF				
C 38	59.06.0683	68n	C .068 U , 10%, 63V , PETP	0 IC 28	50.17.1133	74HC133 74HC00	IC 74 HC 133 ., ,A	0 R 12	57.11.3103	10k	R 10 K, 1%, 0207, MF				
C 39	59.06.0683	68n 47u	C .068 U , 10%, 63V , PETP C 47 U ,-10%, 10V , EL	0 IC 29	50.17.1000	74HC00	IC 74 HC 00 ., ,A	0 R 13	57.11.3103	10k	R 10 K, 1%, 0207, MF				
C 40	59.25.2470 59.06.0683	47u 68n	C .068 U . 10%, 63V , PETP	0 IC 30	50.17.7032	ACT32	IC 74 HC 00 ., ,A IC 74 ACT 32 . ,A	0 R 14	57.11.3103	10k	R 10 K, 1%, 0207, MF				
C 41 C 42	59.06.0683	68n	C .068 U . 10%, 63V , PETP	0 IC 31	50.15.0104	MC3486	IC MC 3486 P, DS 3486 N,	0 R 15	57.11.3242	2k4	R 2.4 K , 1%, 0207 , MF				
C 43	59.06.0222	2n2	C 2200 P . 10%, 63V , PETP	0 IC 32	50.09.0119	TL062	IC TL 062 ACP ,A	0 R 16 0 R 17	57.11.5225 57.11.3104	2M2	R 2.2 M , 5%, 0207 , MF				
C 44	59.06.0683	68n	C .068 U .10%, 63V , PETP	0 IC 33	50.09.0119	TL062	IC TL 062 ACP .A	0 R 18	57.11.3104	100k 10k	R 100 K , 1%, 0207 , MF R 10 K , 1%, 0207 , MF				
C 45	59.06.0222	2n2	C 2200 P , 10%, 63V , PETP	0 IC 34	50.17.1151	74HC151	IC 74 HC 151 ., ,A	0 R 19	57.11.3272	2k7	R 2.7 K, 1%, 0207, MF				
C 46	59.06.0222	2n2	C 2200 P , 10%, 63V , PETP	0 IC 35	50.17.1000	74HC00	IC 74 HC 00 ., ,A	0 R 20	57.11.3103	10k	R 10 K , 1%, 0207 , MF				
C 47	59.06.0683	68n	C .068 U , 10%, 63V , PETP					0 R 21	57.11.3751	750	R 750 . 1%, 0207 . MF				
C 48	59.06.0683	68n	C .068 U , 10%, 63V , PETP	0 J1	54.01.0021		J BRUECKE 2 *.63	0 R 22	57.11.3221	220	R 220 , 1%, 0207 , MF				
C 49	59.34.4221	220p	C 220 P , 5%, N750 , CER	0 J 101	53.03.0218	1-P	XIC SINGLE, IN-LINE 1PIN=1STK	0 R 23	57.11.3103	10k	R 10 K, 1%, 0207, MF				
C 50	59.34.4221	220p	C 220 P , 5%, N750 , CER	0 J 102	53.03.0218	1-P	XIC SINGLE, IN-LINE 1PIN=1STK	0 R 24	57.11.3223	22k	R 22 K . 1%, 0207 , MF				
		444446	5 49 449	0 J 103	53.03.0218	1-P	XIC SINGLE, IN-LINE 1PIN=1STK	0 R 25	57.11.3223	22k	R 22 K , 1%, 0207 , MF				
D 1	50.04.0125	1N4448	D 1N 4448, SI D 1N 4448. SI	0 J 104 0 J 105	53.03.0218	1-P	XIC SINGLE, IN-LINE 1PIN=1STK	0 R 26	57.11.3103	10k	R 10 K, 1%, 0207, MF				
D2	50.04.0125	1N4448		0 J 106	53.03.0218	1-P	XIC SINGLE, IN-LINE 1PIN=1STK	0 R 27	57.11.3473	47k	R 47 K, 1%, 0207, MF				
D3	50.04.0512	1N5818 1N4448	D 1N 5818, 1N 5819, D 1N 4448, SI	0 J 107	53.03.0218 53.03.0218	1-P	XIC SINGLE, IN-LINE 1PIN=1STK	0 R 28	57.11.3473	47k	R 47 K, 1%, 0207, MF				
D 4 D 5	50.04.0125 50.04.0125	1N4448	D 1N 4446, SI	0 J 107	53.03.0218	1-P 1-P	XIC SINGLE, IN-LINE 1PIN=1STK	0 R 29	57.11.3103	10k	R 10 K, 1%, 0207, MF				
D6	50.04.0125	1N4448	D 1N 4448, SI	0 J 109	53.03.0218	1-P	XIC SINGLE, IN-LINE 1PIN=1STK	0 R 30	57.11.3103	10k	R 10 K, 1%, 0207, MF				
D7	50.04.0125	1N4448	D 1N 4448, SI	0 J 110	53.03.0218	1-P	XIC SINGLE, IN-LINE 1PIN=1STK XIC SINGLE, IN-LINE 1PIN=1STK	0 R 31	57,11.3103	10k	R 10 K, 1%, 0207, MF				
D8	50.04.0125	1N4448	D 1N 4448, SI	0 J 111	53.03.0218	1-P	XIC SINGLE, IN-LINE 1PIN=1STK XIC SINGLE, IN-LINE 1PIN=1STK	0 R 32	57.11.3103	10k	R 10 K, 1%, 0207, MF				
D 9	50.04.0125	1N4448	D 1N 4448, SI	0 J 112	53.03.0218	1-P	XIC SINGLE, IN-LINE 1PIN=1STK XIC SINGLE, IN-LINE 1PIN=1STK	0 R 33	57.11.3103	10k	R 10 K, 1%, 0207, MF				
D 10	50.04.0125	1N4448	D 1N 4448, SI	0 J113	53.03.0218	1-P	XIC SINGLE, IN-LINE 1PIN=1STK	0 R 34	57.92.7014	0.65A	RT 650 MA ,POLY- PTC				
D 11	50.04.0125	1N4448	D 1N 4448, SI	0 J 114	53.03.0218	1-P	XIC SINGLE, IN-LINE 1PIN=1STK	0 R35	57.92.7014	0.65A	RT 650 MA ,POLY- PTC				
D 12	50.04.0125	1N4448	D 1N 4448, SI	0 J 201	53.03.0218	1-P	XIC SINGLE, IN-LINE 1PIN=1STK	0 R 36	57.11.3103	10k	R 10 K, 1%, 0207, MF				
D 13	50.04.0125	1N4448	D 1N 4448, SI	0 J 202	53.03.0218	1-P	XIC SINGLE, IN-LINE 1PIN=1STK	0 R37 0 R38	57.11.3101 57.11.3101	100	R 100 , 1%, 0207 , MF				
D 14	50.04.0125	1N4448	D 1N 4448, SI	0 J 203	53.03.0218	1-P	XIC SINGLE, IN-LINE 1PIN=1STK	0 R 39	57.11.3101	100 100	R 100 , 1%, 0207 , MF R 100 , 1%, 0207 , MF				
D 15	50.04.0125	1N4448	D 1N 4448, SI	0 J 301	53.03.0218	1-P	XIC SINGLE, IN-LINE 1PIN=1STK	0 R 40	57.11.3101	100	R 100 , 1%, 0207, MF R 100 , 1%, 0207, MF				
D 16	50.04.0125	1N4448	D 1N 4448, SI	0 J 302	53.03.0218	1-P	XIC SINGLE, IN-LINE 1PIN=1STK	0 R 41	57.11.3101	100	R 100 , 1%, 0207 , MF				
D 17	50.04.0125	1N4448	D 1N 4448, SI	0 J 303	53.03.0218	1-P	XIC SINGLE, IN-LINE 1PIN=1STK	0 R 42	57.11.3101	100	R 100 , 1%, 0207 , MF				
D 18	50.04.0125	1N4448	D 1N 4448, SI	0 J 304	53.03.0218	1-P	XIC SINGLE, IN-LINE 1PIN=1STK	0 R 43	57.11.3103	10k	R 10 K, 1%, 0207, MF				
D 19	50.04.0125	1N4448	D 1N 4448, SI	0 J 305	53.03.0218	1-P	XIC SINGLE, IN-LINE 1PIN=1STK	0 R44	57.11.3101	100	R 100 , 1%, 0207 , MF				
D 20	50.04.0125	1N4448	D 1N 4448, SI	0 J 306	53.03.0218	1-P	XIC SINGLE, IN-LINE 1PIN=1STK	0 R 45	57.11.3103	10k	R 10 K , 1%, 0207 , MF				
D 21	50.04.0125	1N4448	D 1N 4448, SI	0 J 307	53.03.0218	1-P	XIC SINGLE, IN-LINE 1PIN=1STK	0 R 46	57.11.3102	1k	R 1 K, 1%, 0207, MF				
D 22	50.04.0125	1N4448	D 1N 4448, SI	0 J308	53.03.0218	1-P	XIC SINGLE, IN-LINE 1PIN=1STK	0 R 47	57.92.7014	0.65A	RT 650 MA ,POLY- PTC				
D 23	50.04.0125	1N4448	D 1N 4448, SI	0 J309	53.03.0218	1-P	XIC SINGLE, IN-LINE 1PIN=1STK	0 R 48	57.11.3330	33	R 33 , 1%, 0207 , MF				
D 24	50.04.0125	1N4448	D 1N 4448, SI	0 J 310	53.03.0218	1-P	XIC SINGLE, IN-LINE 1PIN=1STK	0 R49	57.11.3330	33	R 33 , 1%, 0207 , MF				
D 25	50.04.0125	1N4448	D 1N 4448, SI	0 J 311	53.03.0218	1-P	XIC SINGLE, IN-LINE 1PIN=1STK								
D 26	50.04.0125	1N4448	D 1N 4448, SI	0 J 312	53.03.0218	1-P	XIC SINGLE, IN-LINE 1PIN=1STK	0 RA1	58.05.0104	100k	R 100 K , 10%, .5 W , PMG				
D 27	50.04.0125	1N4448	D 1N 4448, SI	0 J 313	53.03.0218 53.03.0218	1-P 1-P	XIC SINGLE, IN-LINE 1PIN=1STK XIC SINGLE, IN-LINE 1PIN=1STK	0 RA2	58.05.0104	100k	R 100 K , 10%, .5 W , PMG				
D 28	50,04.0127	BAT85	D BAT 85	0 J 314				0 RA3	58.05.0104	100k	R 100 K , 10%, .5 W , PMG				

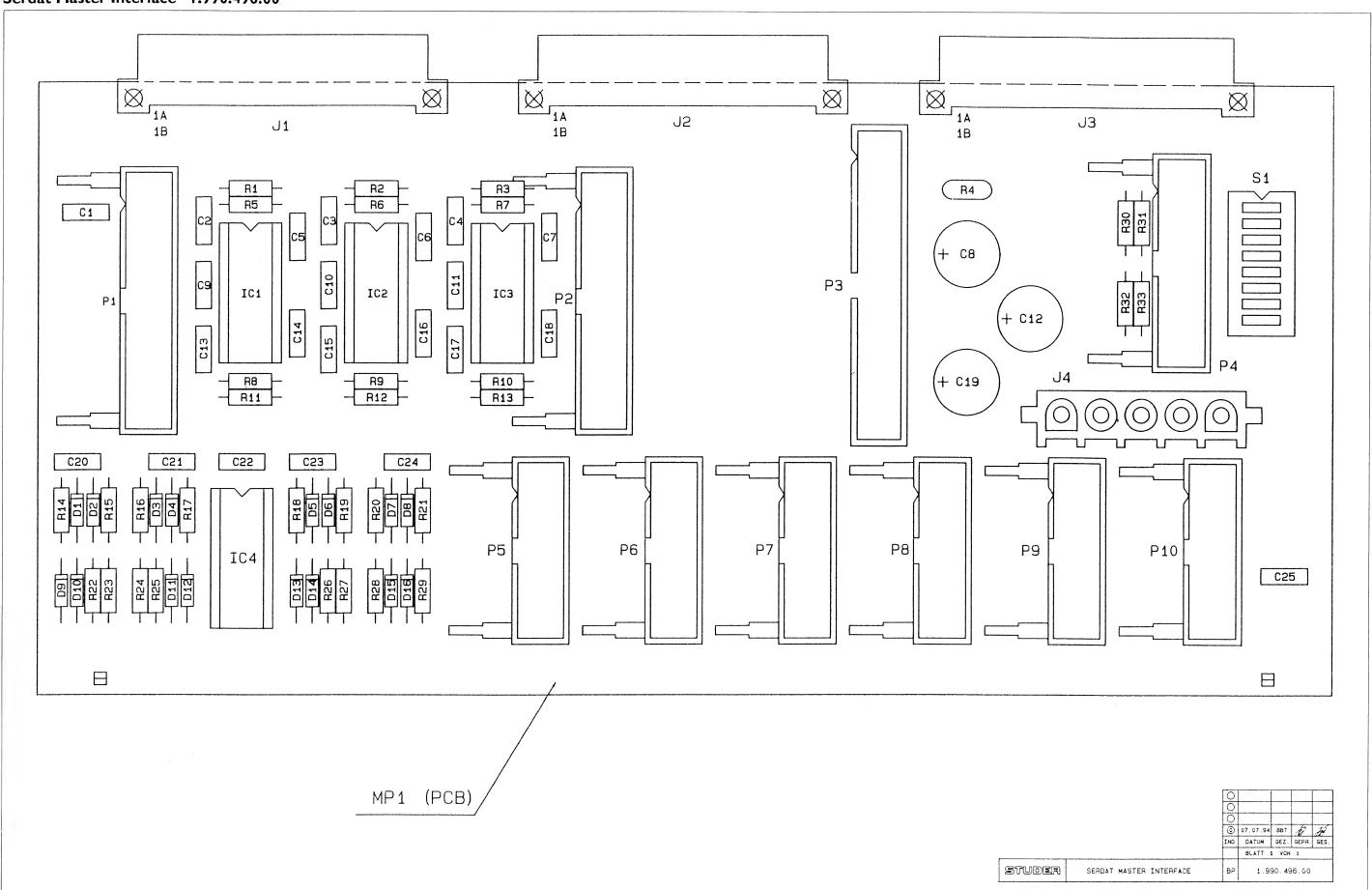
Serdat Master Interface 1.990.496.00



Serdat Master Interface 1.990.496.00



Serdat Master Interface 1.990.496.00



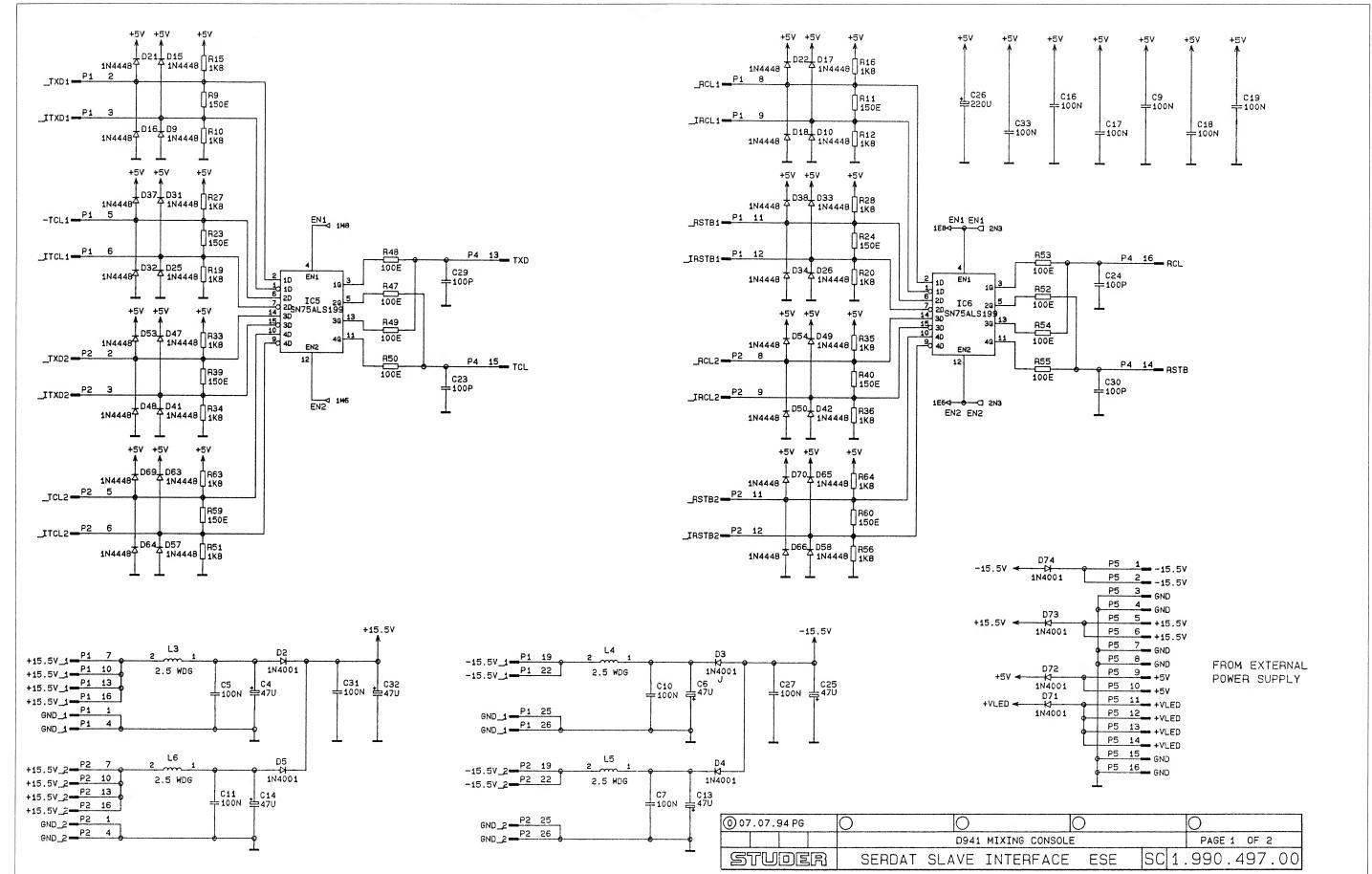


Serdat Master Interface 1.990.496.00

dx. Pos.	Part No. Qty.	Type/Val.	Description	ldx.	Pos.	Part No. Qty.	Type/Val.	Description
C 1	59.06,0104	100n	PETP, 10%, 63V	0	R 19	57.11.3182	1k8	MF, 1%, 0207
) C2	0			0	R 20	57.11.3182	1k8	MF, 1%, 0207
C 3	0			0	R 21	57.11.3102	1k0	MF, 1%, 0207
C 4	0			0	R 22	57.11.3182	1k8	MF, 1%, 0207
C 5	0			0	R 23	57.11.3151	150R	MF, 1%, 0207
C 6	0			0	R 24	57.11 3151	150R	MF, 1%, 0207
C 7	0			0	R 25	57.11.3182	1k8	MF, 1%, 0207
C 8	59.22.4221	220u	EL 16V, 20%, rad RM5	0	R 26	57.11 3182	1k8	MF, 1%, 0207
C 9	59.06.0104	100n	PETP, 10%, 63V	0	R 27	57.11.3151	150R	MF, 1%, 0207
C 10	59.06.0104	100n	PETP, 10%, 63V	0	R 28	57.11.3151	150R	MF, 1%, 0207
C 11	59.06.0104	100n	PETP, 10%, 63V	0	R 29	57.11.3182	1k8	MF, 1%, 0207
C 12	59.22.4221	220u	EL 16V, 20%, rad RM5	0	R 30	57.11.3000	0R0	MF, 0207
O C 13	0			0	R 31	57.11.3000	0R0	MF, 0207
C 14	0			ō	R 32	57.11.3000	0R0	MF, 0207
0 - C 15	0			0	R 33	57.11.3000	0R0	MF, 0207
0 C 16	0			-				,
0 C 17	0			0	S 1	55.01.0168	8*a	SZ , 8°A, DIL
0 C 18	0			-	-			, , , , , , , , , , , , , , , , , , , ,
	59.22.4221	220u	EL 16V, 20%, rad RM5	0	XIC 1	53.03.0168	16p	DIL 0.3", löt, gerade
0 C 19		2200	EC 10V, 20%, 18d KW3	0	XIC 2	53.03.0168	16p	DIL 0.3", lot, gerade
0 C 20	0							
0 C 21	0			0	XIC 3	53.03.0168	16p	DIL 0.3", löt, gerade
0 C 22	59.06.0104	100n	PETP, 10%, 63V	0	XIC 4	53.03.0168	16p	DIL 0.3", lot, gerade
0 C 23	0							
0 C 24	0						End of List -	
0 C 25	59.06.0104	100n	PETP, 10%, 63V	Cor	ments:			
				×.V.	MIIMIIMA			
0 D1	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35					
0 D2	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35					
0 D3	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35					
0 D4	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35					
0 D5	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35					
0 D6	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35					
0 D7	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35					
0 D8	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35					
		1N4448 1N4448						
0 D9	50.04.0125		75V, 150mA, 4ns, DO-35					
0 D 10	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35					
0 D 11	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35					
0 D 12	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35					
0 D 13	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35					
0 D 14	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35					
0 D 15	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35					
0 D 16	50 04 0125	1N4448	75V, 150mA, 4ns, DO-35					
0 IC 1	50.15 0121	75174	IC SN 75174 N					
0 10 1	00 10 0121							
0 IC 2	50.15.0121	75174	IC SN 75174 N					
0 IC 2		75174 75174	IC SN 75174 N IC SN 75174 N					
0 IC 2	50.15.0121 50.15.0121	75174	IC SN 75174 N					
0 IC 2 0 IC 3 0 IC 4	50.15.0121 50.15.0121 50.15.0125	75174	IC SN 75174 N IC SN 75 ALS 199 N					
0 IC 2 0 IC 3 0 IC 4 0 J 1	50.15.0121 50.15.0121 50.15.0125 54.11.2038	75174	IC SN 75174 N IC SN 75 ALS 199 N J EU-QK 2 * 16					
0 IC 2 0 IC 3 0 IC 4 0 J 1 0 J 2	50.15.0121 50.15.0121 50.15.0125 54.11.2038 54.11.2038	75174	IC SN 75174 N IC SN 75 ALS 199 N J EU-QK 2 * 16 J EU-QK 2 * 16					
0 IC 2 0 IC 3 0 IC 4 0 J 1 0 J 2 0 J 3	50.15.0121 50.15.0121 50.15.0125 54.11.2038 54.11.2038 54.11.2038	75174 SN75ALS199	IC SN 75174 N IC SN 75 ALS 199 N J EU-QK 2 * 16 J EU-QK 2 * 16 J EU-QK 2 * 16					
0 IC 2 0 IC 3 0 IC 4 0 J 1 0 J 2	50.15.0121 50.15.0121 50.15.0125 54.11.2038 54.11.2038	75174	IC SN 75174 N IC SN 75 ALS 199 N J EU-QK 2 * 16 J EU-QK 2 * 16					
0 IC 2 0 IC 3 0 IC 4 0 J1 0 J2 0 J3 0 J4	50.15.0121 50.15.0121 50.15.0125 54.11.2038 54.11.2038 54.11.2038 54.25.0005	75174 SN75ALS199	IC SN 75174 N IC SN 75 ALS 199 N J EU-QK 2 * 16 J EU-QK 2 * 16 J EU-QK 2 * 16 J BU-CHSE 5 POL 12 A AMP					
0 IC 2 0 IC 3 0 IC 4 0 J1 0 J2 0 J3 0 J4	50.15.0121 50.15.0121 50.15.0125 54.11.2038 54.11.2038 54.11.2038 54.25.0005	75174 SN75ALS199	IC SN 75174 N IC SN 75 ALS 199 N J EU-QK 2 * 16 J EU-QK 2 * 16 J EU-QK 2 * 16 J BUCHSE 5 POL 12 A AMP SERDAT MASTER IF PCB //N					
0 IC 2 0 IC 3 0 IC 4 0 J1 0 J2 0 J3 0 J4 0 MP1 0 MP2	50.15.0121 50.15.0121 50.15.0125 54.11.2038 54.11.2038 54.11.2038 54.12.0005 1.990.496.11.1 mp 1.990.496.04.1 mp	75174 SN75ALS199	IC SN 75174 N IC SN 75 ALS 199 N J EU-QK 2 * 16 J EU-QK 2 * 16 J EU-QK 2 * 16 J BUCHSE 5 POL 12 A AMP SERDAT MASTER IF PCB //\(\bar{N}\)R-ETIKETTE 5 * 20					
0 IC 2 0 IC 3 0 IC 4 0 J1 0 J2 0 J3 0 J4 0 MP1 0 MP2	50.15.0121 50.15.0121 50.15.0125 54.11.2038 54.11.2038 54.11.2038 54.25.0005	75174 SN75ALS199	IC SN 75174 N IC SN 75 ALS 199 N J EU-QK 2 * 16 J EU-QK 2 * 16 J EU-QK 2 * 16 J BUCHSE 5 POL 12 A AMP SERDAT MASTER IF PCB //N					
0 IC 2 0 IC 3 0 IC 4 0 J 1 0 J 2 0 J 3 0 J 4 0 MP 1 0 MP 2 0 MP 3	50.15.0121 50.15.0121 50.15.0125 54.11.2038 54.11.2038 54.11.2038 54.25.0005 1.990.496.11 1 mp 1.990.496.04 1 mp 28.99.0119 6 mp	75174 SN75ALS199 5p	IC SN 75174 N IC SN 75 ALS 199 N J EU-QK 2 * 16 J EU-QK 2 * 16 J EU-QK 2 * 16 J BUCHSE 5 POL 12 A AMP SERDAT MASTER IF PCB //N NR - ETIKETTE 5 * 20 ROHRNIETE D 2.5*0.15* 9					
0 IC 2 0 IG 3 0 IC 4 0 J1 0 J2 0 J3 0 J4 0 MP1 0 MP2 0 MP3	50.15.0121 50.15.0121 50.15.0125 54.11.2038 54.11.2038 54.11.2038 54.12.0005 1.990.496.11 1 mp 1.990.496.04 1 mp 28.99.0119 6 mp	75174 SN75ALS199 5p	IC SN 75174 N IC SN 75 ALS 199 N J EU-QK 2 * 16 J EU-QK 2 * 16 J EU-QK 2 * 16 J BUCHSE 5 POL 12 A AMP SERDAT MASTER IF PCB //\(\) NR -ETIKETTE 5 * 20 ROHRNIETE D 2.5*0.15* 9 P STECKER 26 P,AU,VR,GERADE					
0 IC 2 IC 3 IC 4	50.15.0121 50.15.0121 50.15.0125 54.11.2038 54.11.2038 54.11.2038 54.25.0005 1.990.496.11 1 mp 1.990.496.04 1 mp 28.99.0119 6 mp 54.14.2104	75174 SN75ALS199 5p 26p 26p	IC SN 75174 N IC SN 75 ALS 199 N J EU-QK 2 * 16 J EU-QK 2 * 16 J EU-QK 2 * 16 J BUCHSE 5 POL 12 A AMP SERDAT MASTER IF PCB //\(\text{NR}\)-ETIKETTE 5 * 20 ROHRNIETE D 2.5*0.15* 9 P STECKER 26 P.AU,VR,GERADE P STECKER 26 P.AU,VR,GERADE P STECKER 26 P.AU,VR,GERADE					
0 IC 2 0 IC 3 0 IC 4 0 J1 0 J2 0 J3 0 J4 0 MP1 0 MP2 0 MP3 0 P1 0 P2 0 P3	50.15.0121 50.15.0121 50.15.0125 54.11.2038 54.11.2038 54.11.2038 54.25.0005 1.990.496.11 1 mp 1.990.496.04 1 mp 28.99.0119 6 mp 54.14.2104 54.14.2104	75174 SN75ALS199 5p 26p 26p 34p	IC SN 75174 N IC SN 75174 N IC SN 75 ALS 199 N J EU-QK 2 * 16 J EU-QK 2 * 16 J BUCHSE 5 POL 12 A AMP SERDAT MASTER IF PCB //\(\) NR-ETIKETTE 5 * 20 ROHRNIETE D 2.5*0.15* 9 P STECKER 26 P.AU,VR.GERADE P STECKER 26 P.AU,VR.GERADE P STECKER 34 P.AU,VR.GERADE					
0 IG 2 0 IG 3 0 IG 4 0 J1 0 J2 0 J3 0 J4 0 MP1 0 MP2 0 MP3 0 P1 0 P2 0 P3 0 P4	50.15.0121 50.15.0121 50.15.0125 54.11.2038 54.11.2038 54.11.2038 54.25.0005 1.990.496.11 1 mp 1.990.496.04 1 mp 28.99.0119 6 mp 54.14.2104 54.14.2104 54.14.2105 54.14.2105	75174 SN75ALS199 5p 26p 26p 34p 20p	IC SN 75174 N IC SN 75174 N IC SN 75 ALS 199 N J EU-QK 2 * 16 J EU-QK 2 * 16 J EU-QK 2 * 16 J BUCHSE 5 POL 12 A AMP SERDAT MASTER IF PCB //\(\) NR-ETIKETTE 5 * 20 ROHRNIETE D 2.5*0.15* 9 P STECKER 26 P.AU,VR.GERADE P STECKER 34 P.AU,VR.GERADE P STECKER 34 P.AU,VR.GERADE P STECKER 20 P.AU,VR.GERADE P STECKER 20 P.AU,VR.GERADE P STECKER 20 P.AU,VR.GERADE					
0 IG 2 0 IG 3 0 IG 4 0 J1 0 J3 0 J4 0 MP1 0 MP2 0 MP3 0 P1 0 P2 0 P3 0 P4	50.15.0121 50.15.0121 50.15.0125 54.11.2038 54.11.2038 54.11.2038 54.25.0005 1.990.496.11 1 mp 1.990.496.04 1 mp 28.99.0119 6 mp 54.14.2104 54.14.2105 54.14.2103 54.14.2103	75174 SN75ALS199 5p 26p 26p 34p 20p 16p	IC SN 75174 N IC SN 75174 N IC SN 75 ALS 199 N J EU-QK 2 * 16 J EU-QK 2 * 16 J BUCHSE 5 POL 12 A AMP SERDAT MASTER IF PCB //\(\text{NR}\)-ETIKETTE 5 * 20 ROHRNIETE D 25*0.15* 9 P STECKER 26 P.AU,VR.GERADE P STECKER 34 P.AU,VR.GERADE P STECKER 20 P.AU,VR.GERADE P STECKER 20 P.AU,VR.GERADE P STECKER 20 P.AU,VR.GERADE P STECKER 16 P.AU,VR.GERADE P STECKER 16 P.AU,VR.GERADE					
0 IG 2 0 IG 3 0 IG 4 0 J1 0 J2 0 J3 0 J4 0 MP1 0 MP2 0 MP3 0 P1 0 P2 0 P3 0 P4 0 P5 0 P6	50.15.0121 50.15.0121 50.15.0125 54.11.2038 54.11.2038 54.11.2038 54.25.0005 1.990.496.11.1 mp 1.990.496.04.1 mp 28.99.0119.6 mp 54.14.2104 54.14.2104 54.14.2105 54.14.2103 54.14.2102	75174 SN75ALS199 5p 26p 26p 34p 20p 16p 16p	IC SN 75174 N IC SN 75174 N IC SN 75 ALS 199 N J EU-QK 2 * 16 J EU-QK 2 * 16 J BUCHSE 5 POL 12 A AMP SERDAT MASTER IF PCB //\(\) NR -ETIKETTE 5 * 20 ROHRNIETE D 2.5*0.15* 9 P STECKER 26 P,AU,VR,GERADE P STECKER 26 P,AU,VR,GERADE P STECKER 34 P,AU,VR,GERADE P STECKER 16 P,AU,VR,GERADE					
0 IG 2 0 IG 3 0 IG 4 0 J1 0 J2 0 J3 0 J4 0 MP1 0 MP2 0 MP3 0 P1 0 P2 0 P3 0 P4	50.15.0121 50.15.0121 50.15.0125 54.11.2038 54.11.2038 54.11.2038 54.25.0005 1.990.496.11 1 mp 1.990.496.04 1 mp 28.99.0119 6 mp 54.14.2104 54.14.2105 54.14.2103 54.14.2103	75174 SN75ALS199 5p 26p 26p 34p 20p 16p	IC SN 75174 N IC SN 75174 N IC SN 75 ALS 199 N J EU-QK 2 * 16 J EU-QK 2 * 16 J BUCHSE 5 POL 12 A AMP SERDAT MASTER IF PCB //\(\text{NR}\)-ETIKETTE 5 * 20 ROHRNIETE D 25*0.15* 9 P STECKER 26 P.AU,VR.GERADE P STECKER 34 P.AU,VR.GERADE P STECKER 20 P.AU,VR.GERADE P STECKER 20 P.AU,VR.GERADE P STECKER 20 P.AU,VR.GERADE P STECKER 16 P.AU,VR.GERADE P STECKER 16 P.AU,VR.GERADE					
0 IG 2 IG 3 IG 3 IG 4 IG 4 IG 4 IG 4 IG 4 IG 4	50.15.0121 50.15.0121 50.15.0125 54.11.2038 54.11.2038 54.11.2038 54.25.0005 1.990.496.11.1 mp 1.990.496.04.1 mp 28.99.0119.6 mp 54.14.2104 54.14.2104 54.14.2105 54.14.2103 54.14.2102	75174 SN75ALS199 5p 26p 26p 34p 20p 16p 16p	IC SN 75174 N IC SN 75174 N IC SN 75 ALS 199 N J EU-QK 2 * 16 J EU-QK 2 * 16 J BUCHSE 5 POL 12 A AMP SERDAT MASTER IF PCB //\(\) NR -ETIKETTE 5 * 20 ROHRNIETE D 2.5*0.15* 9 P STECKER 26 P,AU,VR,GERADE P STECKER 26 P,AU,VR,GERADE P STECKER 34 P,AU,VR,GERADE P STECKER 16 P,AU,VR,GERADE					
0 IG 2 0 IG 3 0 IG 4 0 J1 0 J2 0 J3 0 J4 0 MP1 0 MP2 0 MP3 0 P1 0 P2 0 P3 0 P4 0 P5 0 P6	50.15.0121 50.15.0121 50.15.0125 54.11.2038 54.11.2038 54.11.2038 54.25.0005 1.990.496.11 1 mp 1.990.496.04 1 mp 28.99.0119 6 mp 54.14.2104 54.14.2105 54.14.2103 54.14.2102 54.14.2102 54.14.2102	75174 SN75ALS199 5p 26p 26p 34p 20p 16p 16p 16p 16p	IC SN 75174 N IC SN 75174 N IC SN 75 ALS 199 N J EU-QK 2 * 16 J EU-QK 2 * 16 J BUCHSE 5 POL 12 A AMP SERDAT MASTER IF PCB //\(\) NR-ETIKETTE 5 * 20 ROHRNIETE D 2.5*0.15* 9 P STECKER 26 P.AU,VR.GERADE P STECKER 34 P.AU,VR.GERADE P STECKER 34 P.AU,VR.GERADE P STECKER 16 P.AU,VR.GERADE					
0 IC 2 0 IC 3 0 IC 3 0 IC 4 0 J1 0 J2 0 J3 0 J4 0 MP1 0 MP2 0 MP3 0 P1 0 P2 0 P3 0 P4 0 P5 0 P6 0 P7 0 P8	50.15.0121 50.15.0121 50.15.0125 54.11.2038 54.11.2038 54.11.2038 54.25.0005 1.990.496.11 1 mp 1.990.496.04 1 mp 28.99.0119 6 mp 54.14.2104 54.14.2105 54.14.2105 54.14.2103 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102	75174 SN75ALS199 5p 26p 26p 34p 20p 16p 16p 16p 16p	IC SN 75174 N IC SN 75174 N IC SN 75 ALS 199 N J EU-QK 2 * 16 J EU-QK 2 * 16 J EU-QK 2 * 16 J BUCHSE 5 POL 12 A AMP SERDAT MASTER IF PCB //\(\) NR -ETIKETTE 5 * 20 ROHRNIETE D 25*0.15* 9 P STECKER 26 P.AU,VR.GERADE P STECKER 26 P.AU,VR.GERADE P STECKER 20 P.AU,VR.GERADE P STECKER 20 P.AU,VR.GERADE P STECKER 16 P.AU,VR.GERADE					
0 IG 2 0 IG 3 0 IG 4 0 J1 0 J2 0 J3 0 J4 0 MP1 0 MP2 0 MP3 0 P1 0 P2 0 P3 0 P4 0 P5 0 P6 0 P7	50.15.0121 50.15.0121 50.15.0125 54.11.2038 54.11.2038 54.11.2038 54.25.0005 1.990.496.11 1 mp 1.990.496.04 1 mp 28.99.0119 6 mp 54.14.2104 54.14.2104 54.14.2105 54.14.2103 54.14.2102 54.14.2102 54.14.2102 54.14.2102	75174 SN75ALS199 5p 26p 26p 34p 20p 16p 16p 16p 16p	IC SN 75174 N IC SN 75174 N IC SN 75 ALS 199 N J EU-QK 2 * 16 J EU-QK 2 * 16 J BUCHSE 5 POL 12 A AMP SERDAT MASTER IF PCB //\(\) NR-ETIKETTE 5 * 20 ROHRNIETE D 2.5*0.15* 9 P STECKER 26 P.AU,VR.GERADE P STECKER 34 P.AU,VR.GERADE P STECKER 34 P.AU,VR.GERADE P STECKER 16 P.AU,VR.GERADE					
0 IG 2 0 IG 3 0 IG 4 0 J1 0 J2 0 J3 0 J4 0 MP1 0 MP2 0 MP3 0 P1 0 P2 0 P3 0 P4 0 P5 0 P6 0 P7 0 P8 0 P9	50.15.0121 50.15.0121 50.15.0125 54.11.2038 54.11.2038 54.11.2038 54.12.0005 1.990.496.11.1 mp 1.990.496.04.1 mp 28.99.0119.6 mp 54.14.2104 54.14.2105 54.14.2103 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102	75174 SN75ALS199 5p 26p 26p 34p 20p 16p 16p 16p 16p 16p	IC SN 75174 N IC SN 75174 N IC SN 75 ALS 199 N J EU-QK 2 * 16 J EU-QK 2 * 16 J EU-QK 2 * 16 J BUCHSE 5 POL 12 A AMP SERDAT MASTER IF PCB //\(\) NR-ETIKETTE 5 * 20 ROHRNIETE D 2.5*0.15* 9 P STECKER 26 P.AU,VR.GERADE P STECKER 26 P.AU,VR.GERADE P STECKER 34 P.AU,VR.GERADE P STECKER 16 P.AU,VR.GERADE					
0	50.15.0121 50.15.0121 50.15.0125 54.11.2038 54.11.2038 54.11.2038 54.25.0005 1.990.496.11 1 mp 1.990.496.04 1 mp 28.99.0119 6 mp 54.14.2104 54.14.2105 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102	75174 SN75ALS199 5p 26p 26p 34p 20p 16p 16p 16p 16p 16p	IC SN 75174 N IC SN 75174 N IC SN 75 ALS 199 N J EU-QK 2 * 16 J EU-QK 2 * 16 J EU-QK 2 * 16 J BUCHSE 5 POL 12 A AMP SERDAT MASTER IF PCB //\(\) NR-ETIKETTE 5 * 20 ROHRNIETE D 2.5*0.15* 9 P STECKER 26 P,AU,VR,GERADE P STECKER 34 P,AU,VR,GERADE P STECKER 34 P,AU,VR,GERADE P STECKER 16 P,AU,VR,GERADE					
0 IC 2 IC 3 IC 3 IC 4 IC 4 IC 4 IC 4 IC 4 IC 4	50.15.0121 50.15.0121 50.15.0125 54.11.2038 54.11.2038 54.11.2038 54.11.2038 54.25.0005 1.990.496.11 1 mp 1.990.496.04 1 mp 28.99.0119 6 mp 54.14.2104 54.14.2105 54.14.2105 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102	75174 SN75ALS199 5p 26p 26p 34p 20p 16p 16p 16p 16p 16p 16p	IC SN 75174 N IC SN 75174 N IC SN 75 ALS 199 N J EU-QK 2 * 16 J EU-QK 2 * 16 J EU-QK 2 * 16 J BUCHSE 5 POL 12 A AMP SERDAT MASTER IF PCB //\(\text{N}\) NR-ETIKETTE 5 * 20 ROHRNIETE D 2.5*0.15* 9 P STECKER 26 P.AU,VR,GERADE P STECKER 34 P.AU,VR,GERADE P STECKER 20 P.AU,VR,GERADE P STECKER 16 P.AU,VR,GERADE					
0 IC 2 IC 3 IC 3 IC 4 IC 4 IC 4 IC 4 IC 4 IC 4	50.15.0121 50.15.0121 50.15.0125 54.11.2038 54.11.2038 54.11.2038 54.12.0005 1.990.496.11.1 mp 1.990.496.04.1 mp 28.99.0119.6 mp 54.14.2104 54.14.2105 54.14.2105 54.14.2102	75174 SN75ALS199 5p 26p 26p 34p 20p 16p 16p 16p 16p 16p 16p 16p 16p	IC SN 75174 N IC SN 75174 N IC SN 75 ALS 199 N J EU-QK 2 * 16 J EU-QK 2 * 16 J EU-QK 2 * 16 J BUCHSE 5 POL 12 A AMP SERDAT MASTER IF PCB //\(\) NR-ETIKETTE 5 * 20 ROHRNIETE D 2.5*0.15* 9 P STECKER 26 P.AU,VR,GERADE P STECKER 26 P.AU,VR,GERADE P STECKER 34 P.AU,VR,GERADE P STECKER 16 P.AU,VR,GERADE					
0 IC 2 0 IC 3 1C 4 0 IC 4 0 J1 0 J2 0 J3 0 J4 0 MP1 0 MP2 0 MP3 0 P1 0 P2 0 P3 0 P4 0 P6 0 P7 0 P8 0 P7 0 P8 0 P10 0 R1 0 R1 0 R3	50.15.0121 50.15.0121 50.15.0125 54.11.2038 54.11.2038 54.11.2038 54.12.0005 1.990.496.11.1 mp 1.990.496.04.1 mp 28.99.0119.6 mp 54.14.2104 54.14.2105 54.14.2105 54.14.2102	75174 SN75ALS199 5p 26p 26p 34p 20p 16p 16p 16p 16p 16p 16p 16p 16p 16p 16	IC SN 75174 N IC SN 75174 N IC SN 75 ALS 199 N J EU-QK 2 * 16 J EU-QK 2 * 16 J EU-QK 2 * 16 J BUCHSE 5 POL 12 A AMP SERDAT MASTER IF PCB //\(\) NR-ETIKETTE 5 * 20 ROHRNIETE D 2.5*0.15* 9 P STECKER 26 P.AU,VR,GERADE P STECKER 34 P.AU,VR,GERADE P STECKER 34 P.AU,VR,GERADE P STECKER 16 P.AU,VR,GERADE MF, 1%, 0207 MF, 1%, 0207 MF, 1%, 0207 POLY-PTC, 60V					
0 IC 2 0 IC 3 0 IC 4 0 J1 0 J2 0 J3 0 J4 0 MP1 0 MP2 0 MP3 0 P1 0 P2 0 P3 0 P4 0 P5 0 P6 0 P7 0 P8 0 P9 0 P10 0 R1 0 R2 0 R3	50.15.0121 50.15.0121 50.15.0125 54.11.2038 54.11.2038 54.11.2038 54.12.0005 1.990.496.11 1 mp 1.990.496.04 1 mp 28.99.0119 6 mp 54.14.2104 54.14.2105 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 57.11.3102 57.11.3102 57.11.3102 57.92.7013 57.11.3102	75174 SN75ALS199 5p 26p 26p 34p 20p 16p 16p 16p 16p 16p 16p 16p 16p 16p 16	IC SN 75174 N IC SN 75174 N IC SN 75 ALS 199 N J EU-QK 2 * 16 J EU-QK 2 * 16 J EU-QK 2 * 16 J BUCHSE 5 POL 12 A AMP SERDAT MASTER IF PCB //N NR-ETIKETTE 5 * 20 ROHRNIETE D 2.5*0.15* 9 P STECKER 26 P.AU,VR.GERADE P STECKER 34 P.AU,VR.GERADE P STECKER 34 P.AU,VR.GERADE P STECKER 16 P.AU,VR.GERADE					
0 IC 2 0 IC 3 1C 4	50.15.0121 50.15.0121 50.15.0121 50.15.0125 54.11.2038 54.11.2038 54.11.2038 54.11.2038 54.12.50005 1.990.496.11 1 mp 1.990.496.04 1 mp 28.99.0119 6 mp 54.14.2104 54.14.2104 54.14.2105 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 57.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3102	75174 SN75ALS199 5p 26p 26p 34p 20p 16p 16p 16p 16p 16p 16p 16p 1k0 1k0 1k0 1k0	IC SN 75174 N IC SN 75174 N IC SN 75 ALS 199 N J EU-QK 2 * 16 J EU-QK 2 * 16 J EU-QK 2 * 16 J BUCHSE 5 POL 12 A AMP SERDAT MASTER IF PCB //\(\)\(\)\(\)\(\)\(\)\(\)\(\)\(\)\(\)\(
0 IC 2 0 IC 3 0 IC 4 0 IC 3 0 IC 4 0 J1 0 J2 0 J3 0 J4 0 MP1 0 MP2 0 MP3 0 P1 0 P2 0 P3 0 P4 0 P5 0 P6 0 P7 0 P8 0 P9 0 P10 0 R1 0 R2 0 R3 0 R4 0 R5 0 R6	50.15.0121 50.15.0121 50.15.0121 50.15.0125 54.11.2038 54.11.2038 54.11.2038 54.11.2038 54.12.50005 1.990.496.11 1 mp 1.990.496.04 1 mp 28.99.0119 6 mp 54.14.2104 54.14.2105 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 57.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3102	75174 SN75ALS199 5p 26p 26p 34p 20p 16p 16p 16p 16p 16p 16p 16p 16p 16p 16	IC SN 75174 N IC SN 75174 N IC SN 75 ALS 199 N J EU-QK 2 * 16 J EU-QK 2 * 16 J EU-QK 2 * 16 J BUCHSE 5 POL 12 A AMP SERDAT MASTER IF PCB //\(\) NR-ETIKETTE 5 * 20 ROHRNIETE D 2.5*0.15* 9 P STECKER 26 P.AU,VR,GERADE P STECKER 26 P.AU,VR,GERADE P STECKER 34 P.AU,VR,GERADE P STECKER 10 P.AU,VR,GERADE P STECKER 16 P.AU,VR,GERADE STECKER 16 P.AU,VR,GERADE P STECKER 16 P.AU,VR,GERADE MF, 1%, 0207					
0 IC 2 0 IC 3 1C 4 0 IC 4 0 J 1 0 J 2 0 J 3 0 J 4 0 MP 1 0 MP 2 0 MP 3 0 P 1 0 P 2 0 P 3 0 P 4 0 P 5 0 P 6 0 P 7 0 P 8 0 P 9 0 P 10 0 R 1 0 R 2 0 R 3 0 R 5	50.15.0121 50.15.0121 50.15.0121 50.15.0125 54.11.2038 54.11.2038 54.11.2038 54.11.2038 54.12.50005 1.990.496.11 1 mp 1.990.496.04 1 mp 28.99.0119 6 mp 54.14.2104 54.14.2104 54.14.2105 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 57.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3102	75174 SN75ALS199 5p 26p 26p 34p 20p 16p 16p 16p 16p 16p 16p 16p 1k0 1k0 1k0 1k0	IC SN 75174 N IC SN 75174 N IC SN 75 ALS 199 N J EU-QK 2 * 16 J EU-QK 2 * 16 J EU-QK 2 * 16 J BUCHSE 5 POL 12 A AMP SERDAT MASTER IF PCB //\(\)\(\)\(\)\(\)\(\)\(\)\(\)\(\)\(\)\(
0 IC 2 IC 3 IC 3 IC 4 IC 3 IC 4 IC 4 IC 4 IC 4	50.15.0121 50.15.0121 50.15.0121 50.15.0125 54.11.2038 54.11.2038 54.11.2038 54.11.2038 54.12.50005 1.990.496.11 1 mp 1.990.496.04 1 mp 28.99.0119 6 mp 54.14.2104 54.14.2105 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 57.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3102	75174 SN75ALS199 5p 26p 26p 34p 20p 16p 16p 16p 16p 16p 16p 16p 16p 16p 16	IC SN 75174 N IC SN 75174 N IC SN 75 ALS 199 N J EU-QK 2 * 16 J EU-QK 2 * 16 J EU-QK 2 * 16 J BUCHSE 5 POL 12 A AMP SERDAT MASTER IF PCB //\(\) NR-ETIKETTE 5 * 20 ROHRNIETE D 2.5*0.15* 9 P STECKER 26 P.AU,VR,GERADE P STECKER 26 P.AU,VR,GERADE P STECKER 34 P.AU,VR,GERADE P STECKER 10 P.AU,VR,GERADE P STECKER 16 P.AU,VR,GERADE STECKER 16 P.AU,VR,GERADE P STECKER 16 P.AU,VR,GERADE MF, 1%, 0207					
0 IC 2 0 IC 3 1C 4 0 IC 3 1C 4 0 J 1 0 J 2 0 J 3 0 J 4 0 MP 1 0 MP 2 0 MP 3 0 P 1 0 P 2 0 P 3 0 P 4 0 P 6 0 P 7 0 P 8 0 P 9 0 P 10 0 R 1 0 R 2 0 R 4 0 R 5 0 R 6 0 R 6 0 R 7 0 R 8	50.15.0121 50.15.0121 50.15.0125 54.11.2038 54.11.2038 54.11.2038 54.12.0005 1.990.496.11 1 mp 1.990.496.04 1 mp 28.99.0119 6 mp 54.14.2104 54.14.2105 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3102	75174 SN75ALS199 5p 26p 26p 34p 20p 16p 16p 16p 16p 16p 16p 16p 1k0 1k0 1k0 1k0 1k0 1k0	IC SN 75174 N IC SN 75174 N IC SN 75 ALS 199 N J EU-QK 2 * 16 J EU-QK 2 * 16 J EU-QK 2 * 16 J BUCHSE 5 POL 12 A AMP SERDAT MASTER IF PCB //N NR-ETIKETTE 5 * 20 ROHRNIETE D 2.5*0.15* 9 P STECKER 26 P,AU,VR,GERADE P STECKER 34 P,AU,VR,GERADE P STECKER 34 P,AU,VR,GERADE P STECKER 16 P,AU,VR,GERADE MF, 1%, 0207					
0 IC 2 0 IC 3 1C 4 1C 4 1 J 1 0 J 2 0 J 3 0 J 4 0 MP 1 0 MP 2 0 MP 3 0 P 1 0 P 2 0 P 3 0 P 4 0 P 5 0 P 6 0 P 7 0 P 8 0 P 9 0 P 10 0 R 1 0 R 2 0 R 3 0 R 4 0 R 5 0 R 6 0 R 7 0 R 8 0 R 9 0 R 10	50.15.0121 50.15.0121 50.15.0121 50.15.0125 54.11.2038 54.11.2038 54.11.2038 54.11.2038 54.11.2038 54.12.50005 1.990.496.11 1 mp 1.990.496.04 1 mp 28.99.0119 6 mp 54.14.2104 54.14.2105 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 57.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3102	75174 SN75ALS199 5p 26p 26p 34p 20p 16p 16p 16p 16p 16p 16p 16p 1k0 1k0 1k0 1k0 1k0 1k0	IC SN 75174 N IC SN 75174 N IC SN 75 ALS 199 N J EU-QK 2 * 16 J EU-QK 2 * 16 J EU-QK 2 * 16 J BU-GK 2 * 10 ROHRNIETE D 2.5*0.15* 9 P STECKER 26 P.AU,VR,GERADE P STECKER 26 P.AU,VR,GERADE P STECKER 34 P.AU,VR,GERADE P STECKER 16 P.AU,VR,GERADE NF. 1%, 0207 MF. 1%, 0207 MF. 1%, 0207 MF, 1%, 0207					
0 IC 2 0 IC 3 1C 4 0 IC 3 1C 4 0 J 1 0 J 2 0 J 3 0 J 4 0 MP 1 0 MP 2 0 MP 3 0 P 1 0 P 2 0 P 3 0 P 6 0 P 7 0 P 8 0 P 9 0 P 10 0 R 1 0 R 2 0 R 3 0 R 4 0 R 5 0 R 6 0 R 7 0 R 8 0 R 9 0 R 10 0 R 11	50.15.0121 50.15.0121 50.15.0121 50.15.0125 54.11.2038 54.11.2038 54.11.2038 54.11.2038 54.12.50005 1.990.496.11 1 mp 1.990.496.04 1 mp 28.99.0119 6 mp 54.14.2104 54.14.2105 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 57.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3102	75174 SN75ALS199 5p 26p 26p 34p 20p 16p 16p 16p 16p 16p 1k0 1k0 1k0 1k0 1k0 1k0 1k0 1k0 1k0	IC SN 75174 N IC SN 75174 N IC SN 75 ALS 199 N J EU-QK 2 * 16 J EU-QK 2 * 16 J EU-QK 2 * 16 J BUCHSE 5 POL 12 A AMP SERDAT MASTER IF PCB //\ NR-ETIKETTE 5 * 20 ROHRNIETE D 2.5*0.15* 9 P STECKER 26 P.AU,VR,GERADE P STECKER 26 P.AU,VR,GERADE P STECKER 34 P.AU,VR,GERADE P STECKER 10 P.AU,VR,GERADE P STECKER 16 P.AU,VR,GERADE STECKER 16 P.AU,VR,GERADE P STECKER 16 P.AU,VR,GERADE MF, 1%, 0207					
0 IC 2 0 IC 3 1C 4 0 IC 3 1C 4 0 J2 0 J3 0 J4 0 MP1 0 MP2 0 MP3 0 P1 0 P2 0 P3 0 P4 0 P6 0 P7 0 P8 0 P10 0 R1 0 R2 0 R3 0 R4 0 R5 0 R7 0 R8 0 R9 0 R10 0 R11 0 R12	50.15.0121 50.15.0121 50.15.0125 54.11.2038 54.11.2038 54.11.2038 54.12.0005 1.990.496.11 1 mp 1.990.496.04 1 mp 28.99.0119 6 mp 54.14.2104 54.14.2105 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 55.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3102 57.11.3102	75174 SN75ALS199 5p 26p 26p 34p 20p 16p 16p 16p 16p 16p 1k0	IC SN 75174 N IC SN 75174 N IC SN 75 ALS 199 N J EU-QK 2 * 16 J EU-QK 2 * 16 J EU-QK 2 * 16 J BUCHSE 5 POL 12 A AMP SERDAT MASTER IF PCB //\ NR-ETIKETTE 5 * 20 ROHRNIETE D 2.5*0.15* 9 P STECKER 26 P.AU,VR.GERADE P STECKER 34 P.AU,VR.GERADE P STECKER 34 P.AU,VR.GERADE P STECKER 16 P.AU,VR.GERADE MF, 1%, 0207					
0 IC 2 0 IC 3 1C 3 0 IC 4 0 J1 0 J2 0 J3 0 MP1 0 MP2 0 MP3 0 P1 0 P2 0 P3 0 P4 0 P5 0 P6 0 P6 0 P7 0 P8 0 P9 0 P10 0 R1 0 R2 0 R3 0 R4 0 R5 0 R6 0 R7 0 R8 0 R9 0 R10 0 R1 0 R1 0 R2 0 R3 0 R4 0 R5 0 R6 0 R7 0 R8	50.15.0121 50.15.0121 50.15.0125 54.11.2038 54.11.2038 54.11.2038 54.12.0005 1.990.496.11 1 mp 1.990.496.04 1 mp 28.99.0119 6 mp 54.14.2104 54.14.2105 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.11.3102 57.11.3102	75174 SN75ALS199 5p 26p 26p 34p 20p 16p 16p 16p 16p 16p 1k0	IC SN 75174 N IC SN 75174 N IC SN 75 ALS 199 N J EU-QK 2 * 16 J EU-QK 2 * 16 J EU-QK 2 * 16 J BUCHSE 5 POL 12 A AMP SERDAT MASTER IF PCB //N NR-ETIKETTE 5 * 20 ROHRNIETE D 2.5*0.15* 9 P STECKER 26 P.AU,VR,GERADE P STECKER 34 P.AU,VR,GERADE P STECKER 16 P.AU,VR,GERADE MF, 1%, 0207					
0 IC 2 IC 3 IC 3 IC 3 IC 3 IC 3 IC 4 IC 3 IC 4 IC 4	50.15.0121 50.15.0121 50.15.0121 50.15.0125 54.11.2038 54.11.2038 54.11.2038 54.11.2038 54.11.2038 54.12.50005 1.990.496.11 1 mp 1.990.496.04 1 mp 28.99.0119 6 mp 54.14.2104 54.14.2105 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 57.11.3102	75174 SN75ALS199 5p 26p 26p 34p 20p 16p 16p 16p 16p 16p 1k0	IC SN 75174 N IC SN 75174 N IC SN 75 ALS 199 N J EU-QK 2 * 16 J EU-QK 2 * 16 J EU-QK 2 * 16 J BUCHSE 5 POL 12 A AMP SERDAT MASTER IF PCB //\(\) NR-ETIKETTE 5 * 20 ROHRNIETE D 2.5*0.15* 9 P STECKER 26 P.AU,VR,GERADE P STECKER 26 P.AU,VR,GERADE P STECKER 34 P.AU,VR,GERADE P STECKER 10 P.AU,VR,GERADE P STECKER 16 P.AU,VR,GERADE MF, 1%, 0207					
0	50.15.0121 50.15.0121 50.15.0121 50.15.0125 54.11.2038 54.11.2038 54.11.2038 54.11.2038 54.12.50005 1.990.496.11 1 mp 1.990.496.04 1 mp 28.99.0119 6 mp 54.14.2104 54.14.2105 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 57.11.3102	75174 SN75ALS199 5p 26p 26p 34p 20p 16p 16p 16p 16p 16p 1k0	IC SN 75174 N IC SN 75174 N IC SN 75 ALS 199 N J EU-QK 2 * 16 J EU-QK 2 * 16 J EU-QK 2 * 16 J BUCHSE 5 POL 12 A AMP SERDAT MASTER IF PCB //\ NR-ETIKETTE 5 * 20 ROHRNIETE D 2.5*0.15* 9 P STECKER 26 P.AU,VR,GERADE P STECKER 26 P.AU,VR,GERADE P STECKER 34 P.AU,VR,GERADE P STECKER 16 P.AU,VR,GERADE MF, 1%, 0207					
0 IC 2 0 IC 3 0 IC 4 0 IC 3 0 IC 4 0 J2 0 J3 0 J4 0 MP1 0 MP2 0 MP3 0 P1 0 P2 0 P3 0 P4 0 P6 0 P7 0 P8 0 P10 0 R1 0 R2 0 R3 0 R4 0 R5 0 R7 0 R8 0 R9 0 R11 0 R12 0 R11 0 R12 0 R13 0 R11 0 R12 0 R13 0 R14 0 R15 0 R15	50.15.0121 50.15.0121 50.15.0121 50.15.0125 54.11.2038 54.11.2038 54.11.2038 54.12.0005 1.990.496.11 1 mp 1.990.496.04 1 mp 28.99.0119 6 mp 54.14.2104 54.14.2105 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.11.3102 57.11.3102	75174 SN75ALS199 5p 26p 26p 34p 20p 16p 16p 16p 16p 16p 1k0	IC SN 75174 N IC SN 75174 N IC SN 75 ALS 199 N J EU-QK 2 * 16 J EU-QK 2 * 16 J EU-QK 2 * 16 J BUCHSE 5 POL 12 A AMP SERDAT MASTER IF PCB //\ NR-ETIKETTE 5 * 20 ROHRNIETE D 2.5*0.15* 9 P STECKER 26 P.AU,VR,GERADE P STECKER 34 P.AU,VR,GERADE P STECKER 34 P.AU,VR,GERADE P STECKER 16 P.AU,VR,GERADE MF, 1%, 0207					
0 IC 2 0 IC 3 0 IC 3 0 IC 4 0 JC 4 0 J2 0 J3 0 J4 0 MP1 0 MP2 0 MP3 0 P1 0 P2 0 P3 0 P5 0 P6 0 P7 0 P8 0 P9 0 P10 0 R1 0 R2 0 R3 0 R4 0 R5 0 R6 0 R7 0 R8 0 R9 0 R10 0 R11 0 R12 0 R11 0 R12 0 R11	50.15.0121 50.15.0121 50.15.0121 50.15.0125 54.11.2038 54.11.2038 54.11.2038 54.11.2038 54.12.50005 1.990.496.11 1 mp 1.990.496.04 1 mp 28.99.0119 6 mp 54.14.2104 54.14.2105 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 54.14.2102 57.11.3102	75174 SN75ALS199 5p 26p 26p 34p 20p 16p 16p 16p 16p 16p 1k0	IC SN 75174 N IC SN 75174 N IC SN 75 ALS 199 N J EU-QK 2 * 16 J EU-QK 2 * 16 J EU-QK 2 * 16 J BUCHSE 5 POL 12 A AMP SERDAT MASTER IF PCB //\ NR-ETIKETTE 5 * 20 ROHRNIETE D 2.5*0.15* 9 P STECKER 26 P.AU,VR,GERADE P STECKER 26 P.AU,VR,GERADE P STECKER 34 P.AU,VR,GERADE P STECKER 16 P.AU,VR,GERADE MF, 1%, 0207					

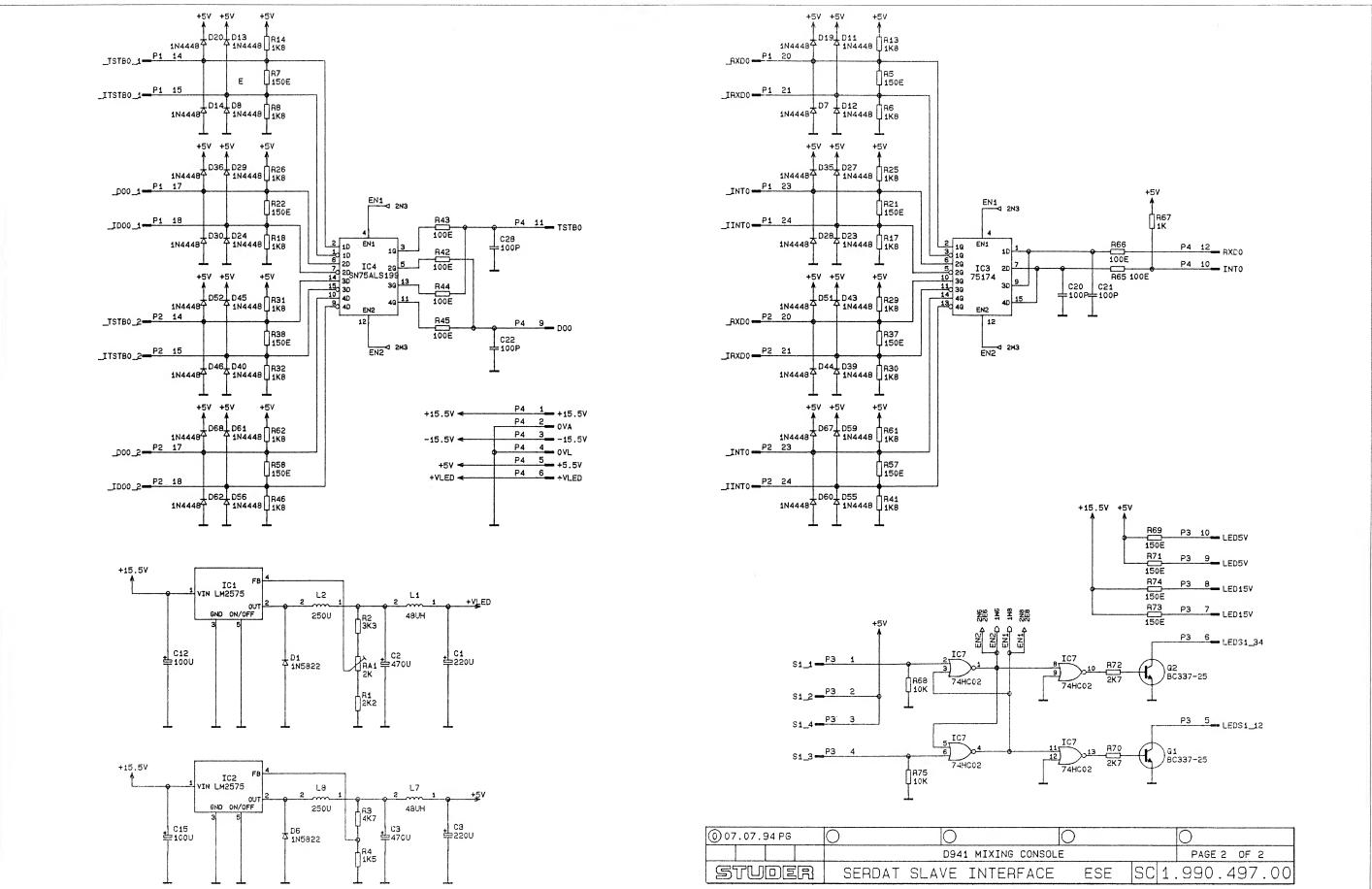
Serdat Slave Interface 1.990.497.00





Serdat Slave Interface 1.990.497.00





Serdat Slave Interface 1.990.497.00 MP4...MP7 MP4...MP7 \boxtimes D5 C1 + сз 02 + c2 L1 L7 L3 L5 L6 L4 L2 L8 IC1 IC2 RA1 R 24 D1 D6 C5 C7 C8 C4 C10 C11 MP1 P2 Ρ1 (+ C12 + C13 C14 + + C15 C16 C17 C18 C19 R7 R8 R9 R5 R6 R10 R11 R12 ___ D7 _-R13 R14 [D8] R15 -{ EQ }--R16 D10 D17 - D11 -D12 D13 D15 -- D14 D16 D18 — D19 — R21 <u>| [DS1</u> -- D20 R18 -- DSS R17 R19 R20 _[DS3] R22 R23 D25 D24 R24 -D26 IC3 IC4 IC5 IC6 — D27 — [D29]— — D31 D33 --{D28} D30 D32 D34 ___D35}-R25 - D36 -R26 D37 R27 D38 R28 R29 R30 R31 R32 R33 R34 R35 R36 D39 -R37 R38 D40 R39 D41 R40 D42 — D43 -D45 D47 D49 D44 D46 D48 D50 R41 D52 R46 D53 R51 D54 R56 C20 R60 D55 R58 D56 R59 D57 D58 ___[D59]-D60 ____D61 D62 <u>D63</u> ___D65 D64 D66 C21 R61 ___D67 R62 D69 R64 R63 --- D70 R65 R66 Q1 670 074 C55 C23 C24 R67 R68 C25 C26 Q2 R69 R70 R71 R72 IC7 C28 R73 R74 C29 C30 C32 P5 P4 R75 C33 BLATT 1 VON 1

SERDAT SLAVE INTERFACE ESE

1.990.497.00



Serdat Slave Interface 1.990.497.00



eruat 5	lave Interface 1.	990.497.00								· ·
dx. Pos.	Part No. Qty. Type/Val.	Description	ldx. Pos.	Part No. Qty.	Type/Val.	Description	ldx. Pos.	Part No. Qty.	Type/Val.	Description
C 1	59.22.3221 220u	EL 10V, 20%, RM5	0 D 53	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 R 30	57,11.3182	1k8	MF, 1%, 0207
C 2	59.22.4471 470u	EL 16V, 20%, RM5	0 D 54	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 R 31	57.11.3182	1k8	MF, 1%, 0207
C 3	59.22.4471 470u	EL 16V, 20%, RM5	0 D 55	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 R 32	57.11.3182	1k8	MF, 1%, 0207
C 4 C 5	59.22.6470 47u 59.06.0104 100n	EL 40V, 20%, RM5 PETP, 63V, 10%, RM 5	0 D 56 0 D 57	50.04.0125 50.04.0125	1N4448 1N4448	75V, 150mA, 4ns, DO-35 75V, 150mA, 4ns, DO-35	0 R 33 0 R 34	57.11.3182 57.11.3182	1k8 1k8	MF, 1%, 0207 MF, 1%, 0207
C 6	59.22.6470 47u	EL 40V, 20%, RM5	0 D 58	50.04.0125	1N4448	75V, 150mA, 4ns. DO-35	0 R 35	57.11.3182	1k8	MF, 1%, 0207
C 7	59.06.0104 100n	PETP, 63V, 10%, RM 5	0 D 59	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 R 36	57.11.3182	1k8	MF, 1%, 0207
C 8	59.22.3221 220u	EL 10V, 20%, RM5	0 D 60	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 R 37	not used		
C 9	59.06.0104 100n	PETP, 63V, 10%, RM 5	0 D 61	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 R 38	57.11.3151	150R	MF, 1%, 0207
C 10	59.06.0104 100n	PETP, 63V, 10%, RM 5	0 D 62	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 R 39	57.11.3151	150R	MF, 1%, 0207
C 11 C 12	59.06.0104 100n 59.22.5101 100u	PETP, 63V, 10%, RM 5	0 D 63	50.04.0125	1N4448	75V, 150mA, 4ns. DO-35	0 R 40	57.11.3151	150R	MF, 1%, 0207
C 12	59.22.5101 100u 59.22.6470 47u	EL 25V, 20%, RM5 EL 40V, 20%, RM5	0 D 64 0 D 65	50.04.0125 50.04 0125	1N4448 1N4448	75V, 150mA, 4ns, DO-35 75V, 150mA, 4ns, DO-35	0 R 41 0 R 42	57.11.3182 57.11.3101	1k8 100R	MF, 1%, 0207 MF, 1%, 0207
C 14	59.22.6470 47u	EL 40V, 20%, RM5	0 D 66	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 R 43	57.11.3101	100R	MF, 1%, 0207
C 15	59.22.5101 100u	EL 25V, 20%, RM5	0 D 67	50 04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 R 44	57.11.3101	100R	MF, 1%, 0207
C 16	59.06.0104 100n	PETP, 63V, 10%, RM 5	0 D 68	50 04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 R 45	57.11.3101	100R	MF, 1%, 0207
C 17	59.06.0104 100n	PETP, 63V, 10%, RM 5	0 D 69	50.04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 R 46	57.11.3182	1k8	MF, 1%, 0207
C 18	59.06.0104 100n	PETP, 63V, 10%, RM 5	0 D 70	50 04.0125	1N4448	75V, 150mA, 4ns, DO-35	0 R 47	57.11.3101	100R	MF, 1%, 0207
C 19	59.06.0104 100n	PETP, 63V, 10%, RM 5	0 D 71	50.04.0122	1N4001	1A, DO 41	0 R 48 0 R 49	57 11.3101 57.11.3101	100R 100R	MF, 1%, 0207 MF, 1%, 0207
C 20 C 21	not used not used		0 D 72	50.04.0122	1N4001	1A, DO 41	0 R 50	57.11.3101	100R	MF, 1%, 0207
C 22	not used		0 D 73 0 D 74	50.04.0122 50.04.0122	1N4001 1N4001	1A, DO 41 1A, DO 41	0 R 51	57 11.3182	1k8	MF, 1%, 0207
C 23	not used		0 074	30.04.0122	1144001	14, 5041	0 R 52	57.11.3101	100R	MF, 1%, 0207
C 24	not used		0 IC 1	50.10.0121	LM2575HV	5V, 1A Switching Reg	0 R 53	57.11.3101	100R	MF, 1%, 0207
C 25	59.22.6470 47u	EL 40V, 20%, RM5	0 IC 2	50.10.0121	LM2575HV	5V, 1A Switching Reg	0 R 54	57.11.3101	100R	MF, 1%, 0207
C 26	59 22 3221 220u	EL 10V, 20%, RM5	0 IC 3	50 15.0121	75174	IC SN 75174 N	0 R 55	57.11.3101	100R	MF, 1%, 0207
C 27	59.06.0104 100n	PETP, 63V, 10%, RM 5	0 IC 4	50,15,0125	75ALS199	IC SN 75 ALS 199 N	0 R 56	57.11.3182	1k8	MF, 1%, 0207
C 28	not used		0 IC 5	50.15.0125	75ALS199	IC SN 75 ALS 199 N	0 R 57	not used	1500	ME 19/ 0207
C 29	not used		0 IC 6	50.15.0125	75ALS199	IC SN 75 ALS 199 N	0 R 58 0 R 59	57.11.3151 57.11.3151	150R 150R	MF, 1%, 0207 MF, 1%, 0207
C 30	not used 59.06.0104 100n	PETP, 63V, 10%, RM 5	0 IC 7	50.17.1002	74HC02	IC 74 HC 02 ,, ,A	0 R 60	57.11.3151	150R	MF, 1%, 0207
C 32	59.22.6470 47u	EL 40V, 20%, RM5	0 L1	62 03 0010	48uH	L 48 U , 2 A, FILTER	0 R 61	57.11.3182	1k8	MF, 1%, 0207
C 32	59.06.0104 100n	PETP, 63V, 10%, RM 5	0 L1	62.03.0010	480H 250uH	L 250 U , 2 A, FILTER	0 R 62	57.11.3182	1k8	MF, 1%, 0207
			0 L3	62.01 0115	2.5Wdg	L BREITBAND-	0 R 63	57,11,3182	1k8	MF, 1%, 0207
D 1	50.04.0519 1N5822	3A, Schottky	0 L4	62.01.0115	2.5Wdg	L BREITBAND-	0 R 64	57.11,3182	1k8	MF, 1%, 0207
D 2	50.04.0122 1N4001	1A, DO 41	0 L5	62 01.0115	2.5Wdg	L BREITBAND-	0 R 65	57.11.3101	100R	MF, 1%, 0207
D 3	50.04.0122 1N4001	1A, DO 41	0 L6	62.01.0115	2.5Wdg	L BREITBAND-	0 R 66	57.11.3101	100R	MF, 1%, 0207
D 4	50.04.0122 1N4001	1A, DO 41	0 L7	62.03.0010	48uH	L 48 U , 2 A, FILTER	0 R 67	57.11.3102	1k0	MF, 1%, 0207
D 5	50.04.0122 1N4001	1A, DO 41	0 L8	62.03.0025	250uH	L 250 U , 2 A, FILTER	0 R 68 0 R 69	57.11.3103 57.11.3151	10k 150R	MF, 1%, 0207 MF, 1%, 0207
D D 6	50.04.0519 1N5822 50.04.0125 1N4448	3A, Schottky	6 404	1000 107 11 1		0500470/4/5/5/000	0 R 70	57.11.3272	2k7	MF, 1%, 0207
0 D7 0 D8	50.04.0125 1N4448	75V, 150mA, 4ns, DO-35 75V, 150mA, 4ns, DO-35	0 MP1	1.990.497.11 1 pce		SERDAT SLAVE IF PCB //\	0 R71	57,11.3151	150R	MF, 1%, 0207
D D 9	50.04.0125 1N4448	75V, 150mA, 4ns, DO-35	0 MP2 0 MP3	1.990.497.04 1 pce 43.01.0108 1 pce	Lahel	NRETIKETTE 5 ° 20 ESE-WARNSCHILD	0 R 72	57.11.3272	2k7	MF, 1%, 0207
D 10	50.04:0125 1N4448	75V, 150mA, 4ns, DO-35	0 MP4	21.51.8354 2 pcs	Labor	LIN-SCHR. IS . NI , M 3 * 6	0 R 73	57.11.3151	150R	MF, 1%, 0207
0 D 11	50.04.0125 1N4448	75V, 150mA, 4ns, DO-35	0 MP 5	23.01.1032.2 pcs		U-SCHEIBE D 3.2/ 6 *0.5	0 R 74	57.11.3151	150R	MF, 1%, 0207
D 12	50.04.0125 1N4448	75V, 150mA, 4ns, DO-35	0 MP6	24.16.1030 2 pcs		RIPPENSCHEIBE D 3.2/5.5	0 R 75	57.11.3103	10k	MF, 1%, 0207
D 13	50.04.0125 1N4448	75V, 150mA, 4ns, DO-35	0 MP 7	22.01.5030 2 pcs		6KT-MUTTER 0.5 D, M 3				
D 14	50.04.0125 1N4448	75V, 150mA, 4ns, DO-35					0 RA 1	58.01.8202	2k	Cermet, 10%, 0.5W, horizontal
D 15	50.04.0125 1N4448	75V, 150mA, 4ns, DO-35	0 P1	54.14.2104	26p	P STECKER 26 P,AU,VR,GERADE	0	E2 02 0469	160	DIL 0.3" list gorada
D 16	50.04.0125 1N4448 50.04.0125 1N4448	75V, 150mA, 4ns, DO-35 75V, 150mA, 4ns, DO-35	0 P2	54.14.2104	26p	P STECKER 26 P,AU,VR,GERADE	0 XIC 3 0 XIC 4	53.03.0168 53.03.0168	16p 16p	DIL 0.3", löt, gerade DIL 0.3", löt, gerade
D 17 D 18	50.04.0125 1N4448 50.04.0125 1N4448	75V, 150mA, 4ns, DO-35	0 P3 0 P4	54.14.2101 54.14.2102	10p 16p	P STECKER 10 P,AU,VR,GERADE P STECKER 16 P,AU,VR,GERADE	0 XIC 5	53.03.0168	16p	DIL 0.3", löt, gerade
D 10	50.04.0125 1N4448	75V, 150mA, 4ns, DO-35	0 P5	54.14.2102	16p	P STECKER 16 P,AU,VR,GERADE	0 XIC 6	53.03.0168	16p	DIL 0.3", löt, gerade
D 20	50.04.0125 1N4448	75V, 150mA, 4ns, DO-35	• , 5	5 1. 7 1. Z 10 Z	.00	TOTEOREM TOT TOTAL TOTAL	0 XIC 7	53.03.0167	14p	DIL 0.3", löt, gerade
D 21	50.04.0125 1N4448	75V, 150mA, 4ns, DO-35	0 Q1	50.03.0340	BC337-25	800mA, 45V, NPN				
D 22	50.04 0125 1N4448	75V, 150mA, 4ns, DO-35	0 Q2	50 03.0340	BC337-25	800mA, 45V, NPN			- End of List -	
D 23	50.04.0125 1N4448	75V, 150mA, 4ns, DO-35					Comments:			
D 24	50.04.0125 1N4448	75V, 150mA, 4ns, DO-35	0 R1	57,11.3222	2k2	MF, 1%, 0207	Someone			
D 25	50.04.0125 1N4448	75V, 150mA, 4ns, DO-35	0 R 2	57.11.3332 57.11.3472	3k3 4k7	MF, 1%, 0207				
D 26	50.04.0125 1N4448	75V, 150mA, 4ns, DO-35	0 R3 0 R4	57.11.3472 57.11.3152	4k7 1k5	MF, 1%, 0207 MF, 1%, 0207				
D 27	50.04.0125 1N4448 50.04.0125 1N4448	75V, 150mA, 4ns, DO-35 75V, 150mA, 4ns, DO-35	0 R 5	not used	IKS	IVII , 170, UZUI				
D 28 D 29	50.04.0125 1N4448 50.04.0125 1N4448	75V, 150mA, 4ns, DO-35 75V, 150mA, 4ns, DO-35	0 R6	57.11.3182	1k8	MF, 1%, 0207				
D 30	50 04.0125 1N4448	75V, 150mA, 4ns, DO-35	0 R7	57.11.3151	150R	MF, 1%, 0207				
D 31	50.04.0125 1N4448	75V, 150mA, 4ns, DO-35	0 R8	57.11.3182	1k8	MF, 1%, 0207				
D 32	50.04.0125 1N4448	75V, 150mA, 4ns, DO-35	₂ 0 R 9	57.11.3151	150R	MF, 1%, 0207				
D 33	50.04.0125 1N4448	75V, 150mA, 4ns, DO-35	0 R 10	57.11.3182	1k8	MF, 1%, 0207				
D 34	50 04.0125 1N4448	75V, 150mA, 4ns, DO-35	'0 R 11	57.11.3151	150R	MF, 1%, 0207				
D 35	50.04 0125 1N4448	75V, 150mA, 4ns, DO-35	0 R 12	57.11.3182	1k8	MF, 1%, 0207				
D 36	50.04.0125 1N4448	75V, 150mA, 4ns, DO-35	0 R 13	57.11.3182	1k8	MF, 1%, 0207				
D 37	50 04.0125 1N4448	75V, 150mA, 4ns, DO-35	0 R 14	57.11.3182	1k8	MF, 1%, 0207				
D 38	50.04.0125 1N4448 50.04.0125 1N4448	75V, 150mA, 4ns, DO-35	0 R 15 0 R 16	57.11.3182 57.11.3182	1k8 1k8	MF. 1%, 0207				
D 39 D 40	50.04.0125 1N4448	75V, 150mA, 4ns, DO-35 75V, 150mA, 4ns, DO-35	0 R 17	57.11.3182	1k8	MF, 1%, 0207 MF, 1%, 0207				
D 40	50.04.0125 1N4448	75V, 150mA, 4ns, DO-35	0 R 18	57.11.3182	1k8	MF, 1%, 0207				
D 42	50.04.0125 1N4448	75V, 150mA, 4ns, DO-35	0 R 19	57.11.3182	1k8	MF, 1%, 0207				
D 43	50.04.0125 1N4448	75V, 150mA, 4ns, DO-35	0 R 20	57.11.3182	1k8	MF, 1%, 0207				
D 44	50.04.0125 1N4448	75V, 150mA, 4ns, DO-35	0 R 21	not used						
D 45	50.04.0125 1N4448	75V, 150mA, 4ns, DO-35	0 R 22	57.11.3151	150R	MF, 1%, 0207				
D 46	50.04.0125 1N4448	75V, 150mA, 4ns, DO-35	0 R 23	57.11.3151	150R	MF, 1%, 0207				
0 D 47	50.04.0125 1N4448	75V, 150mA, 4ns, DO-35	0 R 24	57.11.3151	150R	MF, 1%, 0207				
0 D 48	50.04.0125 1N4448 50.04.0125 1N4448	75V, 150mA, 4ns, DO-35	0 R 25	57.11.3182	1k8	MF, 1%, 0207				
0 D 49 0 D 50	50.04.0125 1N4448 50.04.0125 1N4448	75V, 150mA, 4ns, DO-35 75V, 150mA, 4ns, DO-35	0 R 26 0 R 27	57,11,3182 57,11,3182	1k8 1k8	MF, 1%, 0207 MF, 1%, 0207				
0 D 51	50.04.0125 1N4448	75V, 150mA, 4ns, DO-35	0 R 28	57.11.3182	1k8	MF, 1%, 0207 MF, 1%, 0207				
0 D 52	50.04.0125 1N4448	75V, 150mA, 4ns, DO-35	0 R 29	57.11.3182	1k8	MF, 1%, 0207				

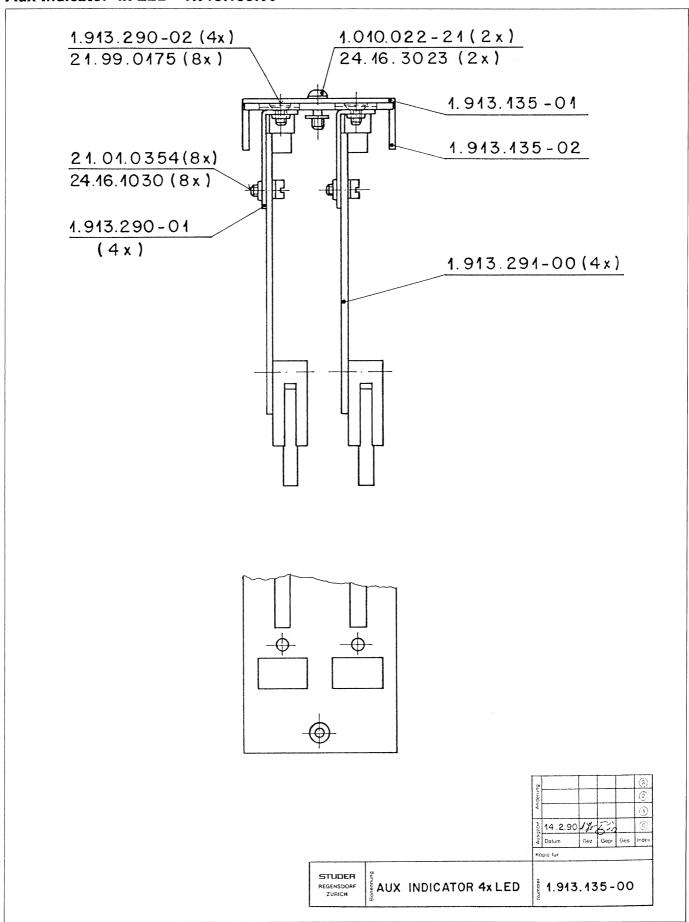
SCHEMATA / CIRCUIT DIAGRAMS

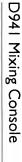
Meter Panel Units

Aux Indicator 4xLED	1.913.135.00
LED PPM Meter	1.913.291.00
PFL Amplifier	1.913.200.00
PFL Amplifier with Vol. + Headphone-Jack	1.913.202.00

Edition: 13.12.96 Section 6

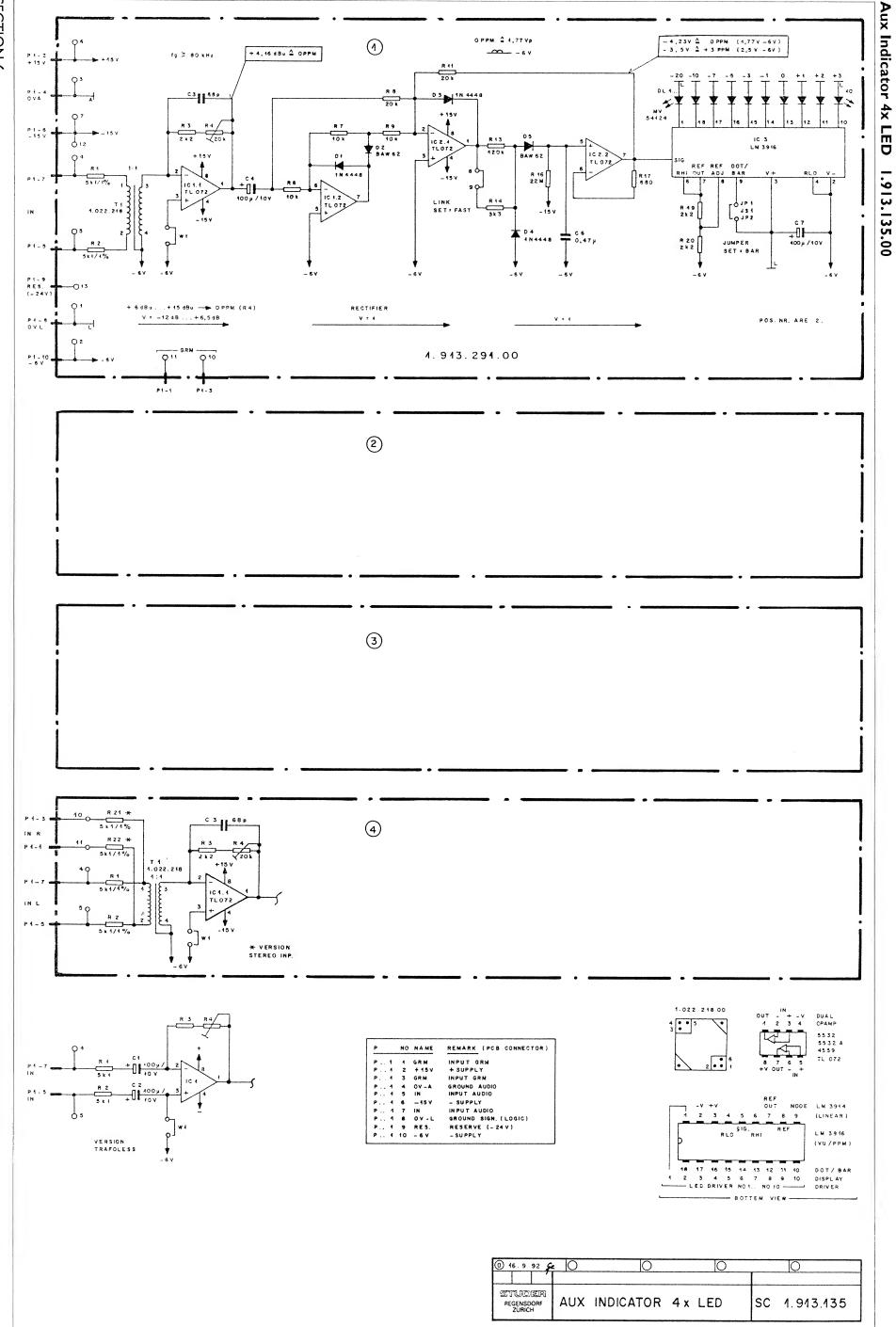
Aux Indicator 4x LED 1.913.135.00





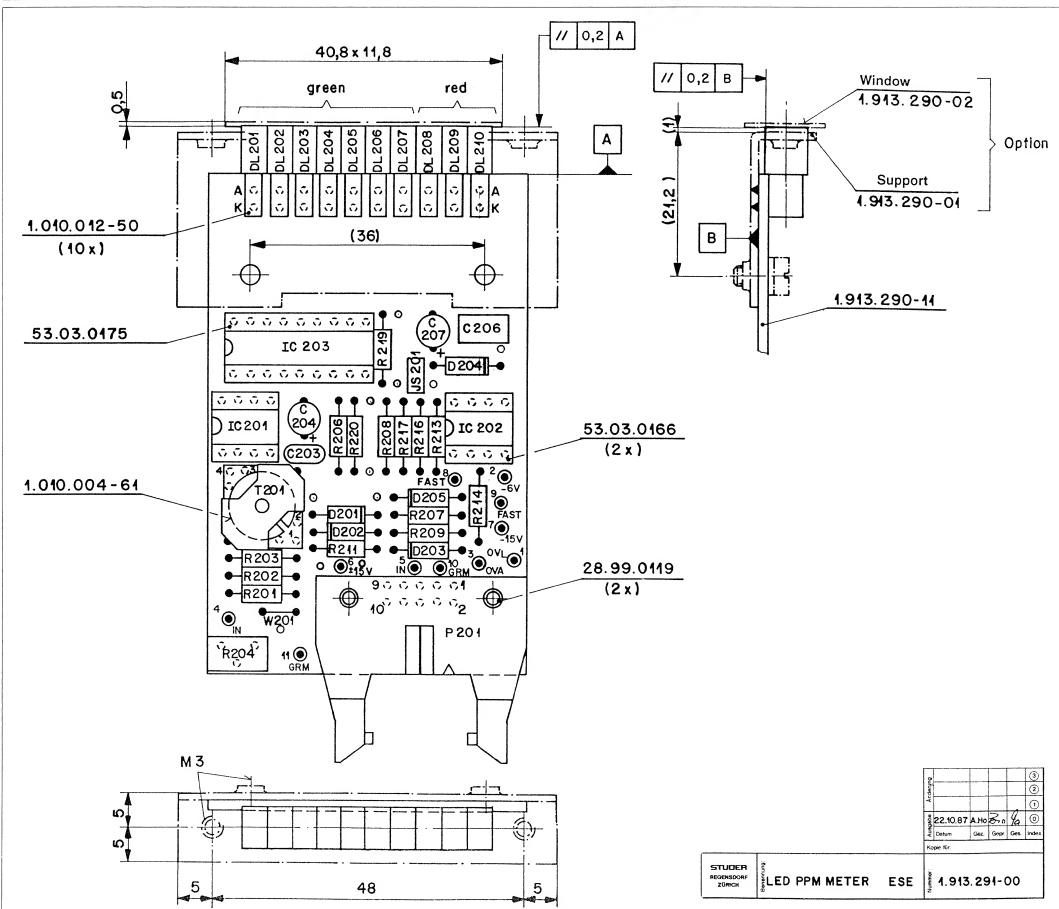






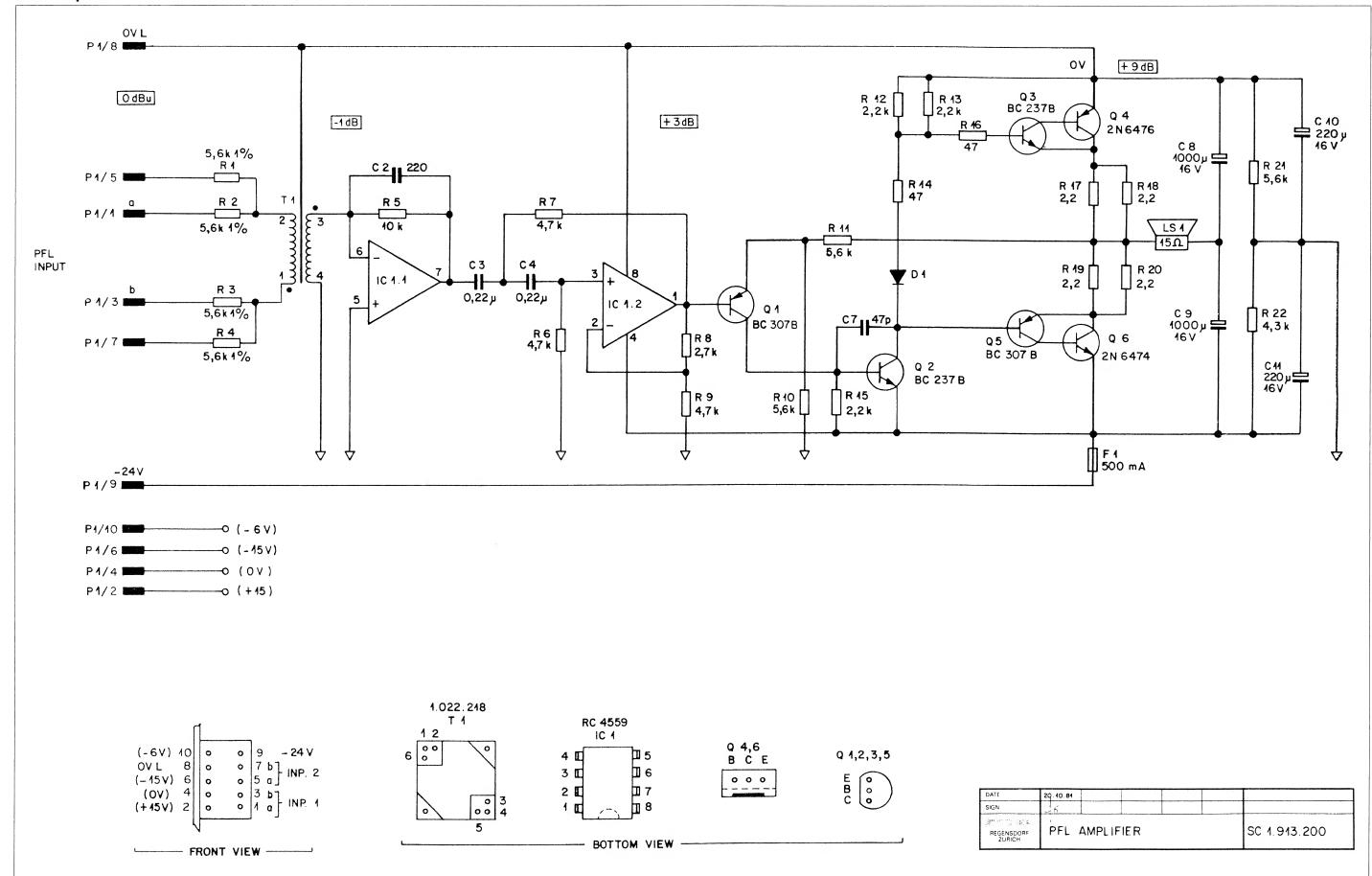
LED PPM Meter 1.913.291.00



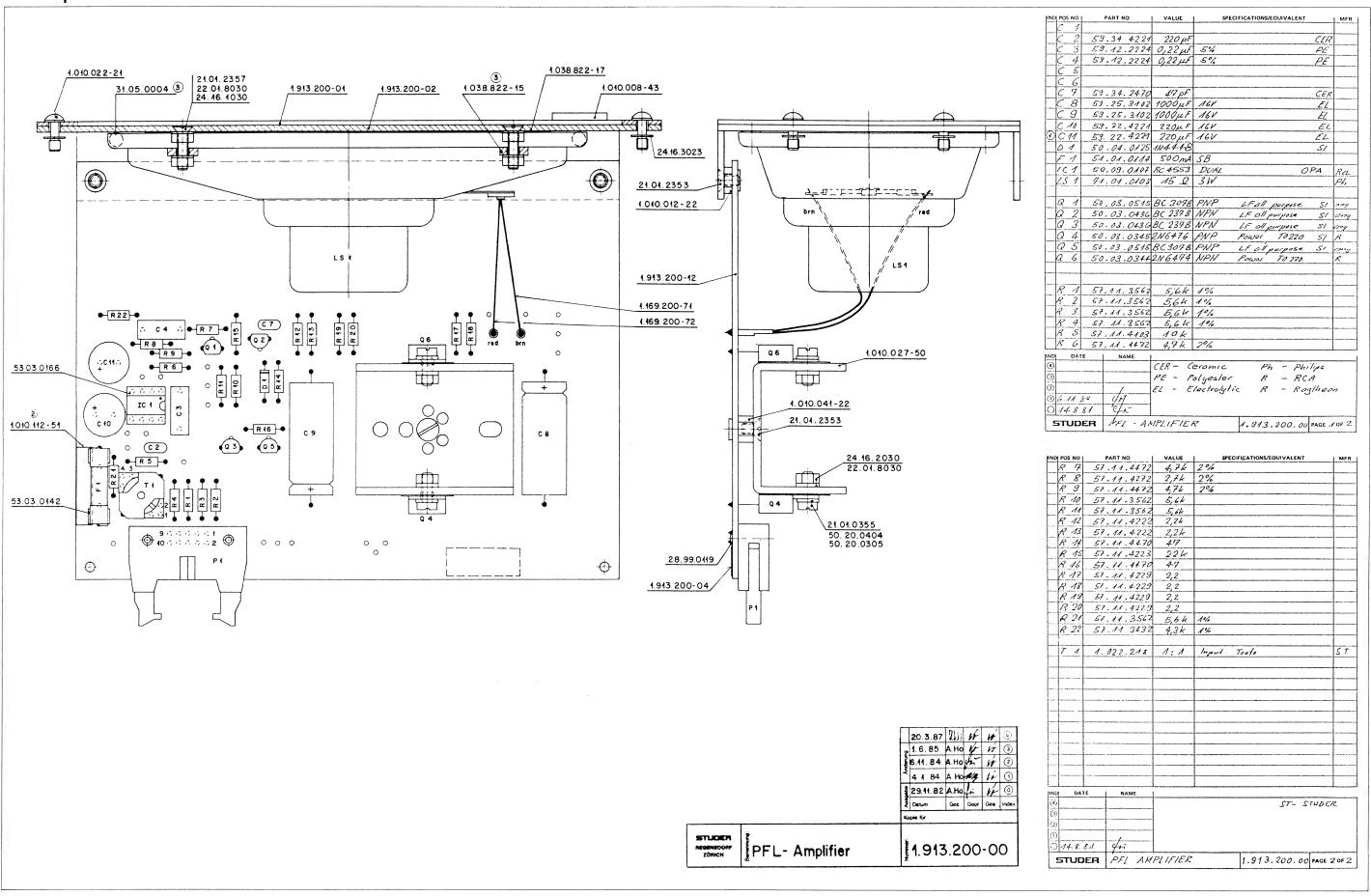


	Pos.	Part No.	Qty.	Type/Val.	Description
0	C 201	not used		not used	not used
0	C 202	not used		not used	not used
0	C 203	59.34.2680		68p	CER 63V, 5%, N150
0	C 204	59.22.3101		100u	EL 10V, 20%, RM5
0	C 205	not used		not used	not used
0	C 206	59.06.5474		470n	PETP, 63V, 5%, RM5
0	C 207	59.22.3101		100u	EL 10V, 20%, RM5
^	0.204	50.04.0425		4114440	75\/ 150mA 400 DO 35
0	D 201	50.04.0125		1N4448	75V, 150mA, 4ns, DO-35
0	D 202	50.04.0132		BAW62	D BAW 62
1	D 203	50.04.0125		1N4448	75V, 150mA, 4ns, DO-35
1	D 204	50.04.0125		1N4448	75V, 150mA, 4ns, DO-35
1	D 205	50.04.0132		BAW62	D BAW 62
o	D 206	not used		not used	not used
0	DL 201	50.04.2146		MV54124A	DL MV 54124 A, GN
0	DL 202	50.04.2146		MV54124A	DL MV 54124 A, GN
0	DL 203	50.04.2146		MV54124A	DL MV 54124 A, GN
				MV54124A	DL MV 54124 A, GN
0	DL 204	50.04.2146			
0	DL 205	50.04.2146		MV54124A	DL MV 54124 A, GN
0	DL 206	50.04.2146		MV54124A	DL MV 54124 A, GN
0	DL 207	50.04.2146		MV54124A	DL MV 54124 A, GN
0	DL 208	50.04.2119		MV57124A	DL MV 57124 A, RT
		50.04.2119		MV57124A	DL MV 57124 A, RT
0	DL 209				
)	DL 210	50.04.2119		MV57124A	DL MV 57124 A, RT
0	IC 201	50.09.0101		TL072	IC TL 072 CN ,A
0	IC 202	50.09.0101		TL072	IC TL 072 CN ,A
0	IC 203	50.11.0144			IC LM 3916 N
0	JP 201	54.01.0020		1p	Pin 0.63*0.63
0	JP 202	54.01.0020		1p	Pin 0.63*0.63
0	JS 201	54 01.0021		Jumper	0.63 * 0.63mm
0	MP 201	1.913.290.11	1 nce		LED METER PCB
)	MP 202	1.010.012.50			DIODENHALTER
)	MP 203	28.99.0119	2 pcs		ROHRNIETE D 2.5*0.15* 9
)	MP 204	not used		not used	not used
)	MP 205	53.03.0166	2 pcs	8p	DIL 0.3", löt, gerade
)	MP 206	53.03.0175	1 pce	18p	DIL 0.3", lot, gerade
)	MP 207	54.02.0471		,	P STIFT D 1.5 * 5.5 LOET
0	MP 208	1.010 004.61			PSP-UNTERLAGE ZU SCHKE, R 5
0	P 201	54.14.2011	•		P STECKER 10 P , AU, WINKEL
-					
0	R 201	57.11.3512		5k1	MF, 1%, 0207
0	R 202	57.11.3512		5k1	MF, 1%, 0207
3	R 203	57.11.4222			R 2.2 K, 2%, 0207, MF
				201	
)	R 204	58.01.9203		20k	Cermet, 10%, 0 5W, vertical
)	R 205	not used		not used	not used
					replaced by W 201
)	R 206	57.11.4103			R 10 K, 2%, 0207, MF
)	R 207	57.11.4103			R 10 K, 2%, 0207, MF
				201	
)	R 208	57.11.3203		20k	MF, 1%, 0207
)	R 209	57.11.4103			R 10 K, 2%, 0207, MF
)	R 210	not used		not used	not used
)	R 211	57.11.3203		20k	MF, 1%, 0207
)	R 212	not used		not used	not used
					replaced by D 203
)	R 213	57.11.4823			R 82 K , 2%, 0207 , MF
0	R 214	57.11.4332			R 3.3 K, 2%, 0207, MF
0	R 215	not used		not used	not used
					replaced by D 205
)	R 216	57.11.6226		22M	MF, 10%, 0207
)	R 217	57:11.4681			
)	R 218	not used		not used	not used
)	R 219	57.11.4222			R 2.2 K, 2%, 0207, MF
)	R 220	57.11.4222			R 2.2 K , 2%, 0207 , MF
0	R 221	not used		not used	not used
)	T 201	1.022.218.00			EINGANGSTRAFO 1:1
	W 201	1.010.321.64		Wire	
0		1.010.021.04		.,,,,	DRAHTBRUECKE U, 4.3* 5.0, 0.6
			_		
		******************	E	nd of List	
	ments:	************************	E	na or List	

PFL Amplifier 1.913.200.00



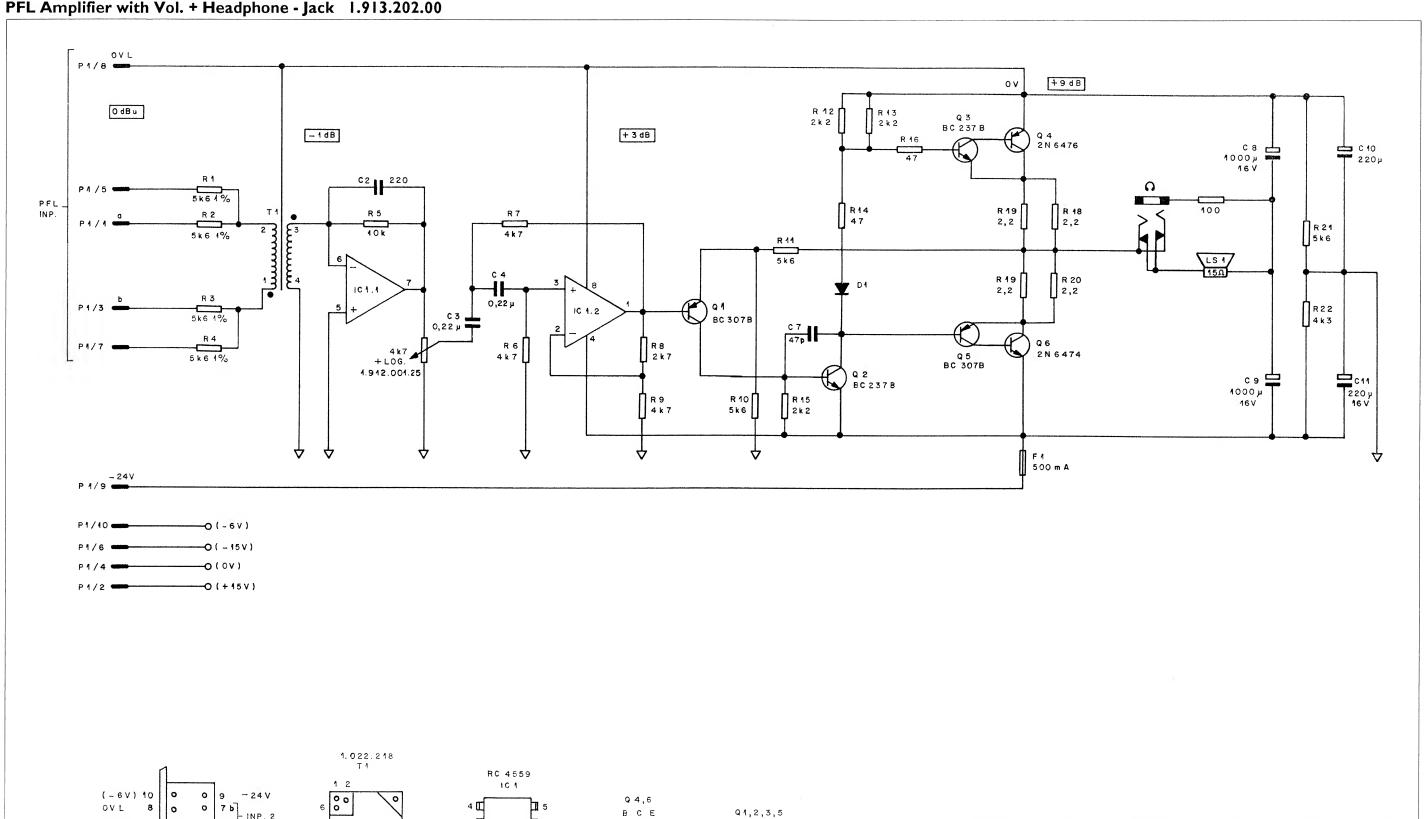
PFL Amplifier 1.913.200.00



(OV) 4 (+15V) 2

-FRONT VIEW-

PFL Amplifier with Vol. + Headphone - Jack 1.913.202.00



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STUDER
REGENSDORF
ZURICH

PFL AMPLIFIER WITH VOL. + HEADPHONE - JACK

SC 4.913.202

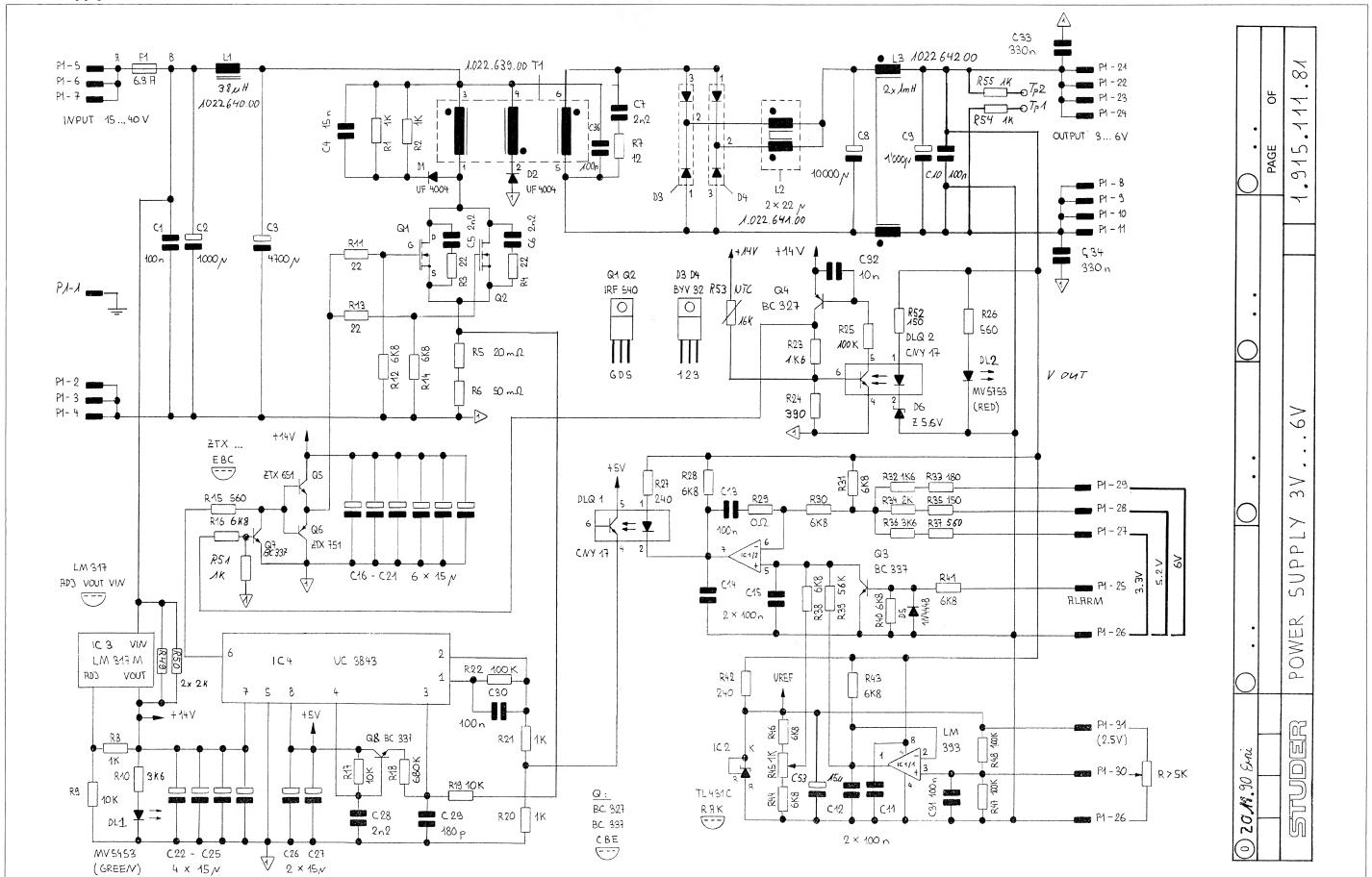
SCHEMATA / CIRCUIT DIAGRAMS

Units of Eurocard Frame

Power Supply 3V6V
4 Balancing Amplifier Gain 6 dB 1.915.914.00
CR + Studio Monitor Mix Amplifier 1.917.300.00
CR/Studio Monitor Amplifier
Subcard for CR/Studio Monitor
CR/Studio Monitor Amplifier/Out
Talk Back Amplifier
PFL/Talk Back Headphone Amplifier
Subcard for PFL Talk Back Headphone 1.917.331.00
Monitor Relays Unit 8x2/2 1.917.601.00
Signal Input/Output Interface
Power Supply 5V/20A
Power Supply ±15V/3.4A 1.940.602.00
Power Supply 24V/4.2A 1.940.603.00

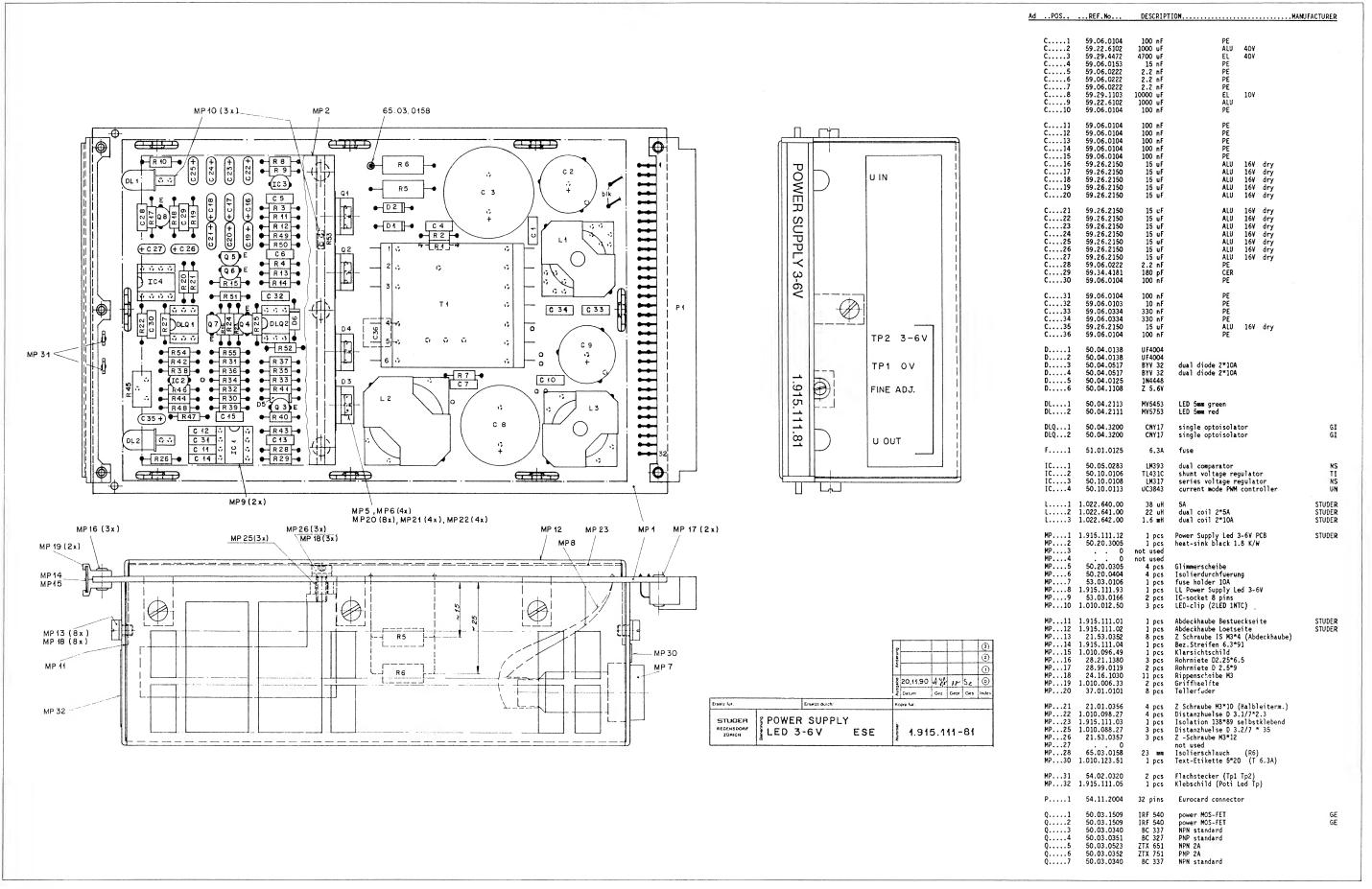
Power Supply 3V...6V 1.915.111.81











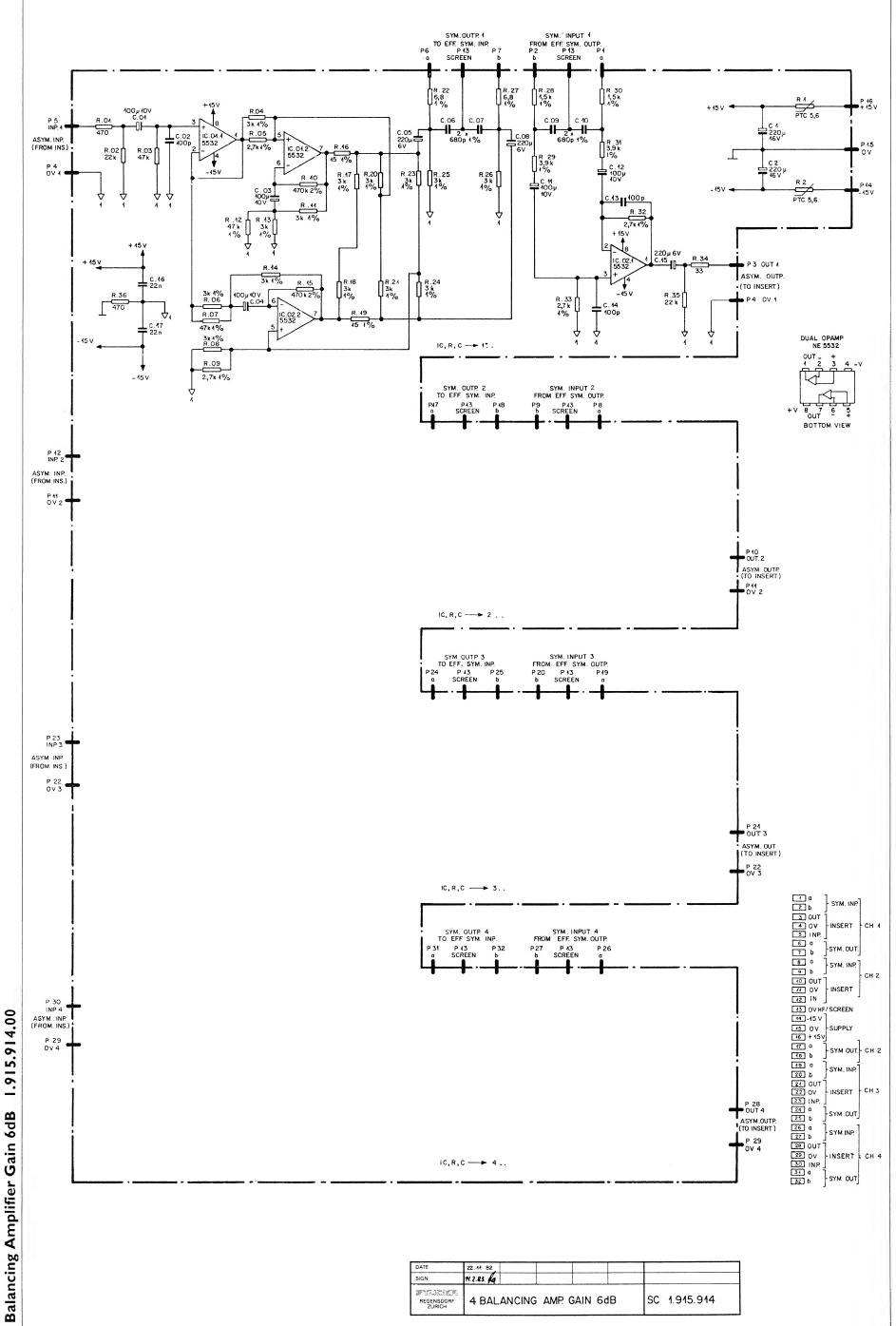




Power Supply 3V...6V 1.915.111.81

ld	POS	REF.No	DESCRIPT	ION		NUFACTURE
		50 02 0240	DC 227	NON		
	Q8	50.03.0340	BC 337	NPN standard		
	R1	57.11.3102	1 kOhm			
	R2	57.11.3102	1 kOhm			
	R3	57.11.3220	22 Ohm			
	R4	57.11.3220	22 Ohm			
	R5	57.56.2020	20 mOhm	3W small L (10	nH)	
	R6	57.56.2050	50 mOhm	3W small L (10	nH)	
	R7	57.11.3120	12 Ohm 1 kOhm	5%		
	R8 R9	57.11.3102 57.11.3103	10 kOhm	5%		
	R10	57.11.3362	3.6 kOhm	•		
	R11	57.11.3220	22 Ohm			
	R12	57.11.3682	6.8 kOhm			
	R13	57.11.3220	22 Ohm			
	R14	57.11.3682	6.8 kOhm			
	R15	57.11.3561	560 Ohm			
	R16	57.11.3682	6.8 k0hm			
	R17	57.11.3103	10 k0hm	54		
	R18	57.11.3684	680 kOhm 10 kOhm	5%		
	R19 R20	57.11.3103 57.11.3102	1 kOhm			
	K20	37.11.3102	1 KOIIM			
	R21	57.11.3102	1 kOhm			
	R22	57,11.3104	100 k0hm			
	R23	57.11.3162	1.6 kOhm			
	R24	57.11.3391	390 Ohm			
	R25	57.11.3104 57.11.3561	100 k0hm			
	R26	57.11.3561	560 Ohm			
	R27 R28	57.11.3241 57.11.3682	240 Ohm 6.8 kOhm			
	R29	57.11.3000	0 Ohm			
	R30	57.11.3682	6.8 kOhm			
	R31	57.11.3682	6.8 kOhm	1%		
	R32	57.11.3162	1.6 kOhm	1%		
	R33	57.11.3181	180 Ohm	1%		
	R34	57.11.3202	2 kOhm	1%		
	R35	57.11.3151	150 Ohm	18		
	R36	57.11.3362	3.6 kOhm	1%		
	R37	57.11.3561	560 Ohm	1%		
	R38	57.11.3682	6.8 kOhm	1%		
	R39 R40	57.11.3563 57.11.3682	56 kOhm 6.8 kOhm	1%		
	K40		O.O KOIIM			
	R41	57.11.3682 57.11.3241	6.8 kOhm			
	R42	57.11.3241	240 Ohm			
	R43	57.11.3682	6.8 kOhm	10.		
	R44 R45	57.11.3682	6.8 kOhm	1%		
	R46	58.01.9102 57.11.3682	1 kOhm 6.8 kOhm	trimmer 1%		
	R47	57.11.3104	100 k0hm	18		
	R48	57.11.3104	100 k0hm	18		
	R49	57.11.3202	2 kOhm			
	R50	57.11.3202	2 kOhm			
		57 11 2102	1 606-			
	R51 R52	57.11.3102 57.11.3151	1 kOhm 150 Ohm			
	R53	57.99.0220	16 kOhm	NTC		
	R54	57.11.3102	1 kOhm			
	R55	57.11.3102	1 kOhm			
	T1	1.022.639.00		Schalttrafo Pow	wer Supply 3 - 6V	STUDER
PE=	=Polyester	, EL=Electroly	tic, ALU≖Alı	uminium, CER=Cera	mic	
	MUCACTURES	. NC_U_+! ?	C	11-7		
MAN	NUTACIURER	: NS=National GI=General I GE=General E	nstruments,	ors, TI=Texas Ins UN=Unitrod,	strument	

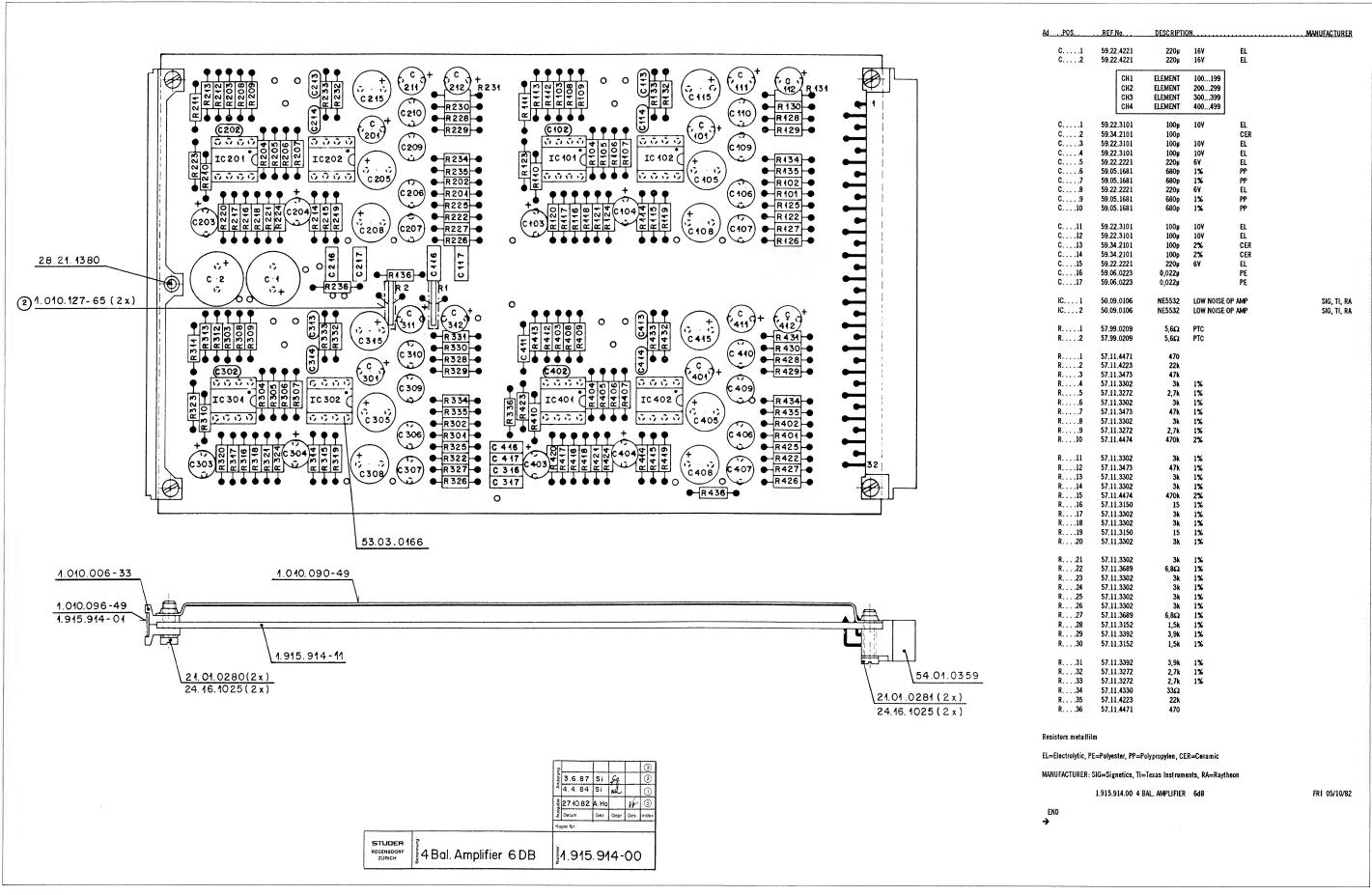


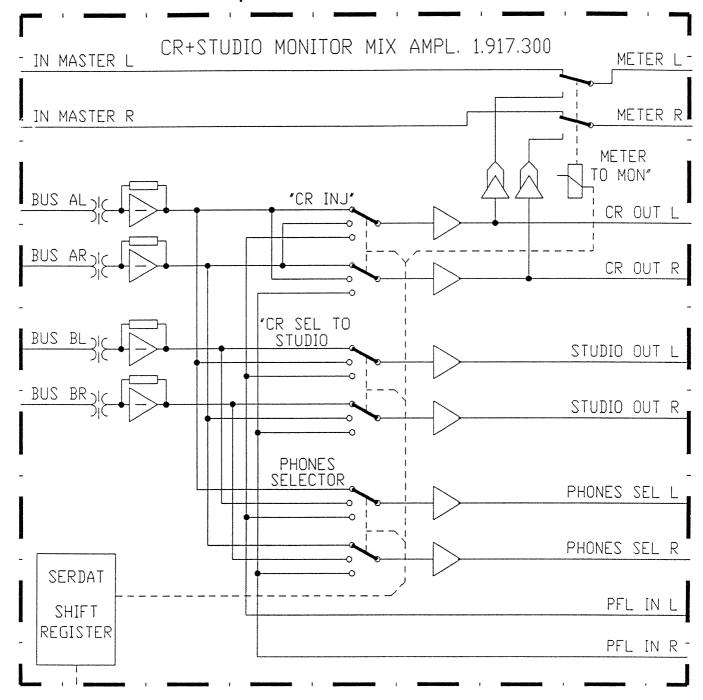


D941 Mixing Console

STUDER

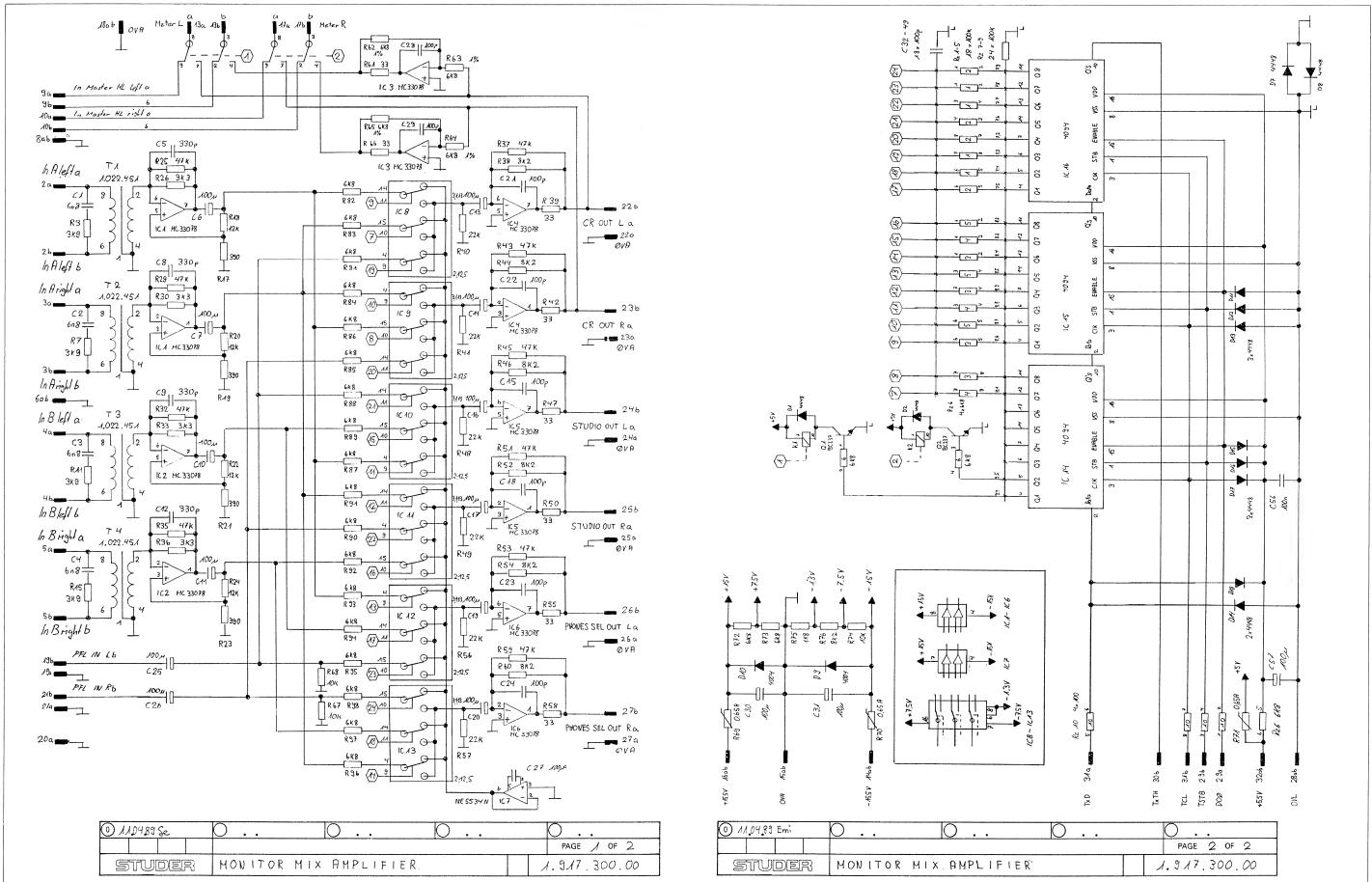
4 Balancing Amplifier Gain 6dB 1.915.914.00

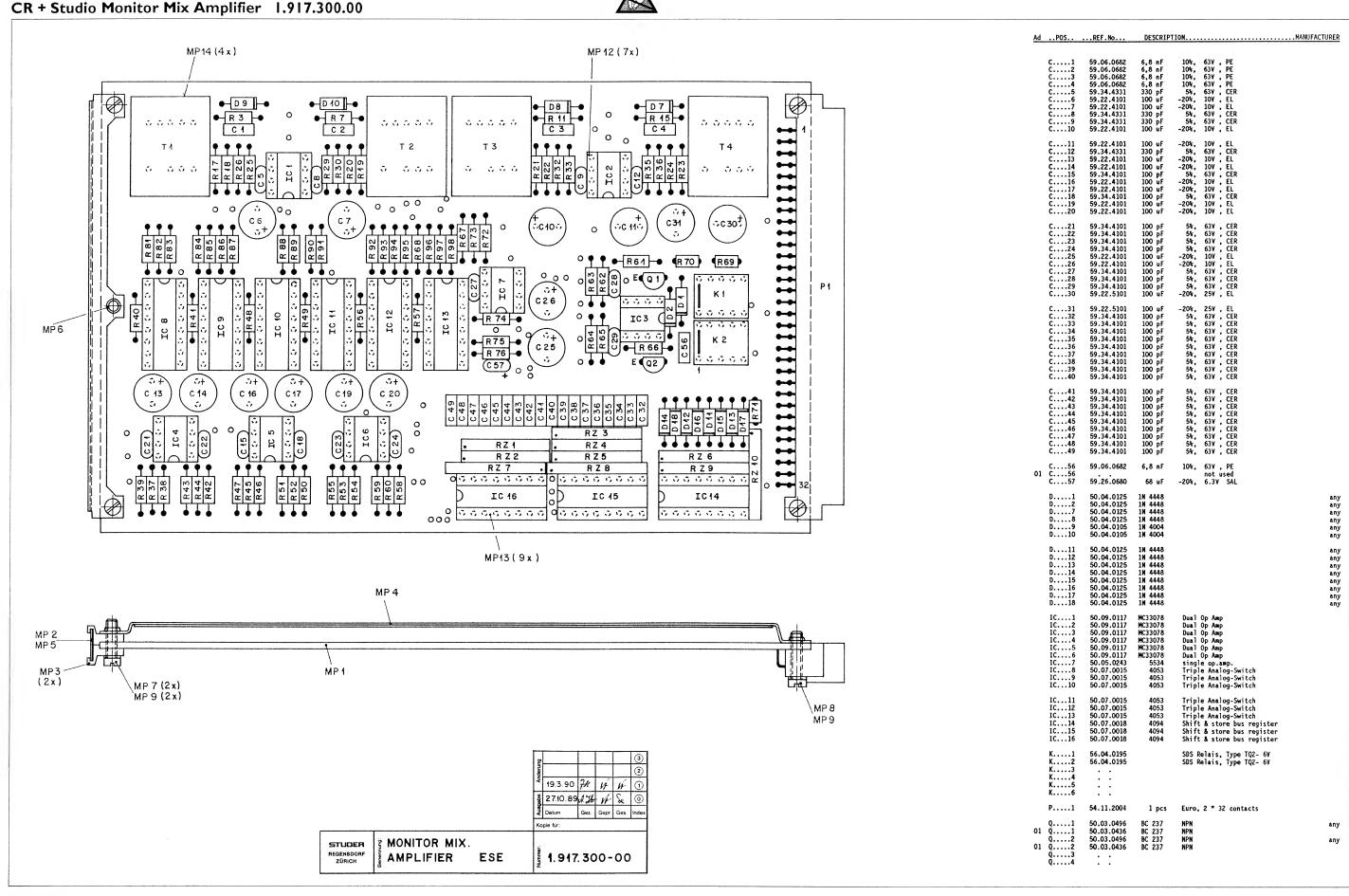




CR + Studio Monitor Mix Amplifier 1.917.300.00





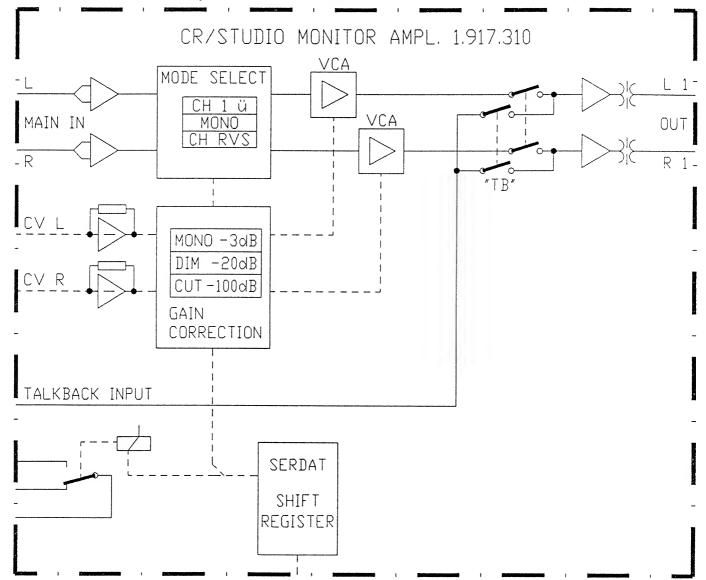




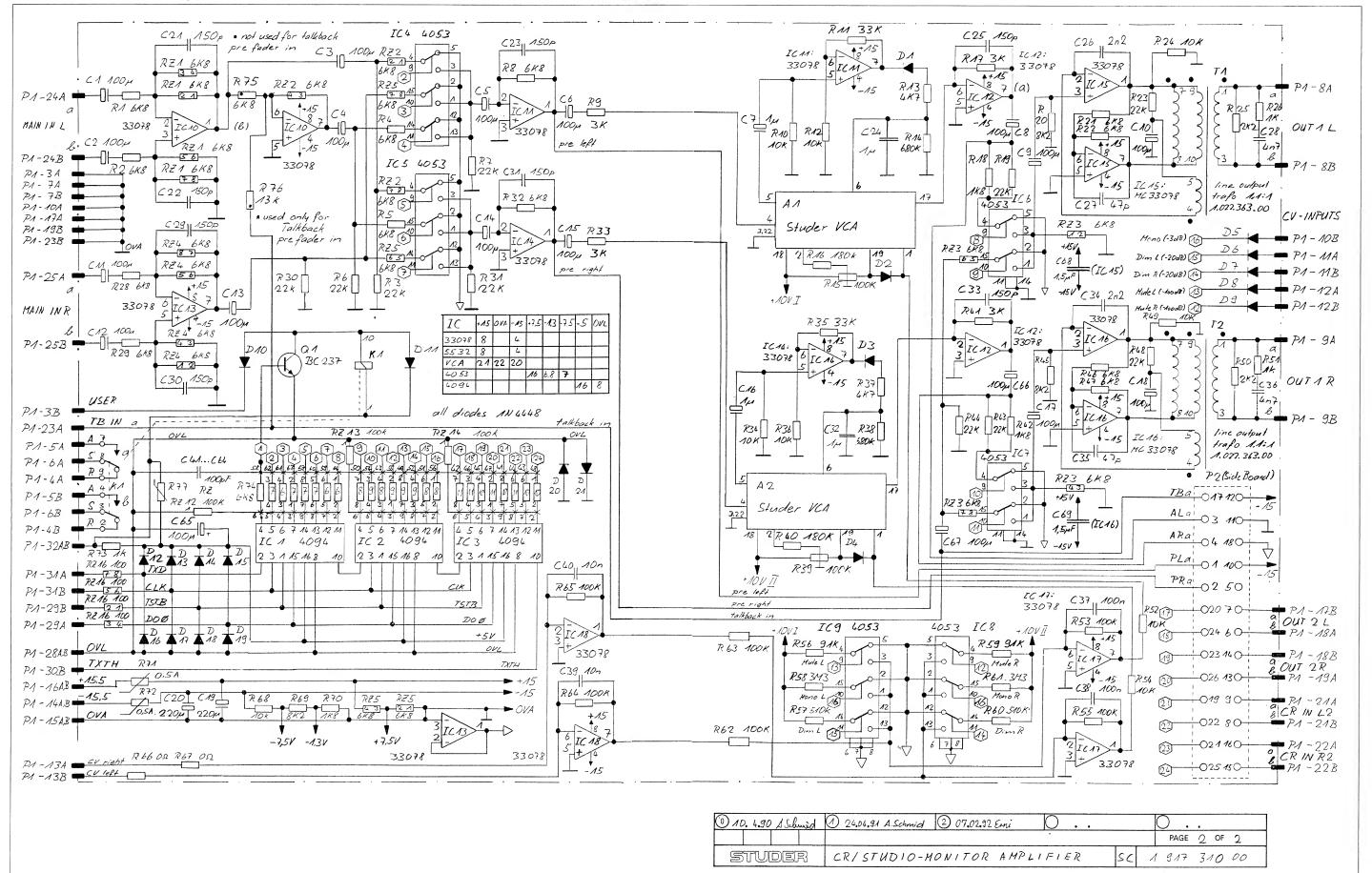
		.0111601	Mix Ampiller	1.917.30	0.00					AND CHARLE
POS	REF.No	DESCRIPT	ION	MANUFACTURER	AdPOS	REF.No	DESCRIPTI	DN		.MANUFACTURE
Q5 Q6 R1 R2 R3 R4	57.11.3392	3.9 kOhm	1%		RZ5 RZ6 RZ7 RZ8 RZ9 01 RZ9	57.88.2104 57.88.2682 57.88.4104 57.88.4104 57.88.4104 57.88.2104 57.88.2101	100 k0hm 6.8 k0hm 100 k0hm 100 k0hm 100 k0hm 100 k0hm	2%, 4 * 100k 2%, 4 * 6.8k 2%, 8 * 100k 2% 8 * 100k 2%, 8 * 100k 2%, 4 * 100k 2%, 4 * 100		
R5 R6 R7 R8 R9	57.11.3392	3.9 kOhm	1%		T2 T3	1.022.451.00 1.022.451.00 1.022.451.00 1.022.451.00		INPUT TRAFO INPUT TRAFO INPUT TRAFO INPUT TRAFO		STUDER STUDER STUDER STUDER
R10 R11 R12 R13	57.11.3392 	3.9 kOhm	14		MP2 MP3 MP4	1.917.300.11 1.917.300.01 1.010.006.33 1.010.090.49	1 pcs 2 pcs 1 pcs	Print Bez. Streifen 6.: Griffhaelften Abschirmblech	3*91	Studer Studer Studer Studer
R14 R15 R16 R17 P18 R19	57.11.3392 57.11.3391 57.11.3123 57.11.3391	3.9 kOhm 390 Ohm 12 kOhm 390 Ohm	14 14 14 14		MP5 MP6 MP7 MP8 MP9	1.010.096.49 28.21.1380 21.01.0280 21.01.0281 24.16.1025 43.01.0108	1 pcs 2 pcs 2 pcs 2 pcs 4 pcs	Klarsicht Schild Rohrniete D2 Z - Schraube M2 Z - Schraube M2 Rippenscheibe D2 ESE-Warnschild	.5*10	
R20 R21 R22 R23 R24 R25 R26 R29	57.11.3123 57.11.3391 57.11.3123 57.11.3123 57.11.3123 57.11.3473 57.11.3332 57.11.3473	12 kOhm 390 Ohm 12 kOhm 390 Ohm 12 kOhm 12 kOhm 47 kOhm 3.3 kOhm 47 kOhm	14 14 14 14 14 14 15 54		MP11 MP12 MP13 MP14	53.03.0166 53.03.0168 1.022.400.03	7 pcs 9 pcs 4 pcs	IC-Sockel 8 Pin IC-Sockel 16 Pin Isolation zu Tra		
R30 R32 R33	57.11.3332 57.11.3473 57.11.3332	3.3 kOhm 47 kOhm 3.3 kOhm	1% 1% 1%			•	, ,	olar, PE=Polyesto		
R35 R36 R37 R38 R39 R40	57.11.3473 57.11.3332 57.11.3473 57.11.3822 57.11.3330 57.11.3223	47 kOhm 3.3 kOhm 47 kOhm 8.2 kOhm 33 Ohm 22 kOhm	15 15 15 15 15 15 15		PARIOTAC FORCE.	Ses=Sescosem 1.917.300 00 1.917.300 00	, Sie=Siemens MONITOR MIX		SE 89/02/2000 SE 90/03/1901	
R41 R42 R43 R44 R45 R46 R47 R48 R49 R50	57.11.3223 57.11.3330 57.11.3473 57.11.3827 57.11.3822 57.11.3223 57.11.3223 57.11.3223 57.11.3233	22 kOhm 33 Ohm 47 kOhm 8.2 kOhm 47 kOhm 8.2 kOhm 33 Ohm 22 kOhm 33 Ohm	1% 1% 1% 1% 1% 1% 1% 1%							
R51 R52 R53 R54 R55 R56 R57 R58 R59 R60	57.11.3473 57.11.3822 57.11.3473 57.11.3822 57.11.323 57.11.3223 57.11.323 57.11.3473 57.11.3822	47 kOhm 8.2 kOhm 47 kOhm 8.2 kOhm 33 Ohm 22 kOhm 22 kOhm 33 Ohm 47 kOhm 8.2 kOhm	1% 1% 1% 1% 1% 1% 1% 1%							
R61 R62 R63 R64 R65 R66 R66 R67 R68 R69 R70	57.11.3330 57.11.3682 57.11.3682 57.11.3682 57.11.3682 57.11.3330 57.11.3103 57.11.3103 57.92.7014	33 Ohm 6.8 kOhm 6.8 kOhm 6.8 kOhm 6.8 kOhm 33 Ohm 10 kOhm	1% 1% 1% 1% 1% 1% 1% 1% 1% 1% PTC 650mA							
R71 R72 R73 R74 R75 R76 R81	57.92.7014 57.11.3682 57.11.3682 57.11.3103 57.11.3182 57.11.3822 57.11.3682	6.8 kOhm 6.8 kOhm 10 kOhm 1.8 kOhm 8.2 kOhm 6.8 kOhm	PTC 650mA 1% 1% 1% 1% 1% 1%							
R82 R83 R84 R85 R86 R87 R88 R89 R90	57.11.3682 57.11.3682 57.11.3682 57.11.3682 57.11.3682 57.11.3682 57.11.3682 57.11.3682 57.11.3682	6.8 kOhm 6.8 kOhm 6.8 kOhm 6.8 kOhm 6.8 kOhm 6.8 kOhm 6.8 kOhm 6.8 kOhm 6.8 kOhm	1% 1% 1% 1% 1% 1% 1% 1%							
R91 R92 R93 R94 R95 R96 R97 R98	57.11.3682 57.11.3682 57.11.3682 57.11.3682 57.11.3682 57.11.3682 57.11.3682 57.11.3682	6.8 kOhm 6.8 kOhm 6.8 kOhm 6.8 kOhm 6.8 kOhm 6.8 kOhm 6.8 kOhm 6.8 kOhm	1% 1% 1% 1% 1% 1% 1% 1%							
RZ1 RZ2 RZ3 RZ4	57.88.2104 57.88.2104 57.88.2104 57.88.2104	100 kOhm 100 kOhm 100 kOhm 100 kOhm	2%, 4 * 100k 2%, 4 * 100k 2%, 4 * 100k 2%, 4 * 100k							

Pin Location List CR + Studio Monitor Mix Amplifier 1.917.300.00

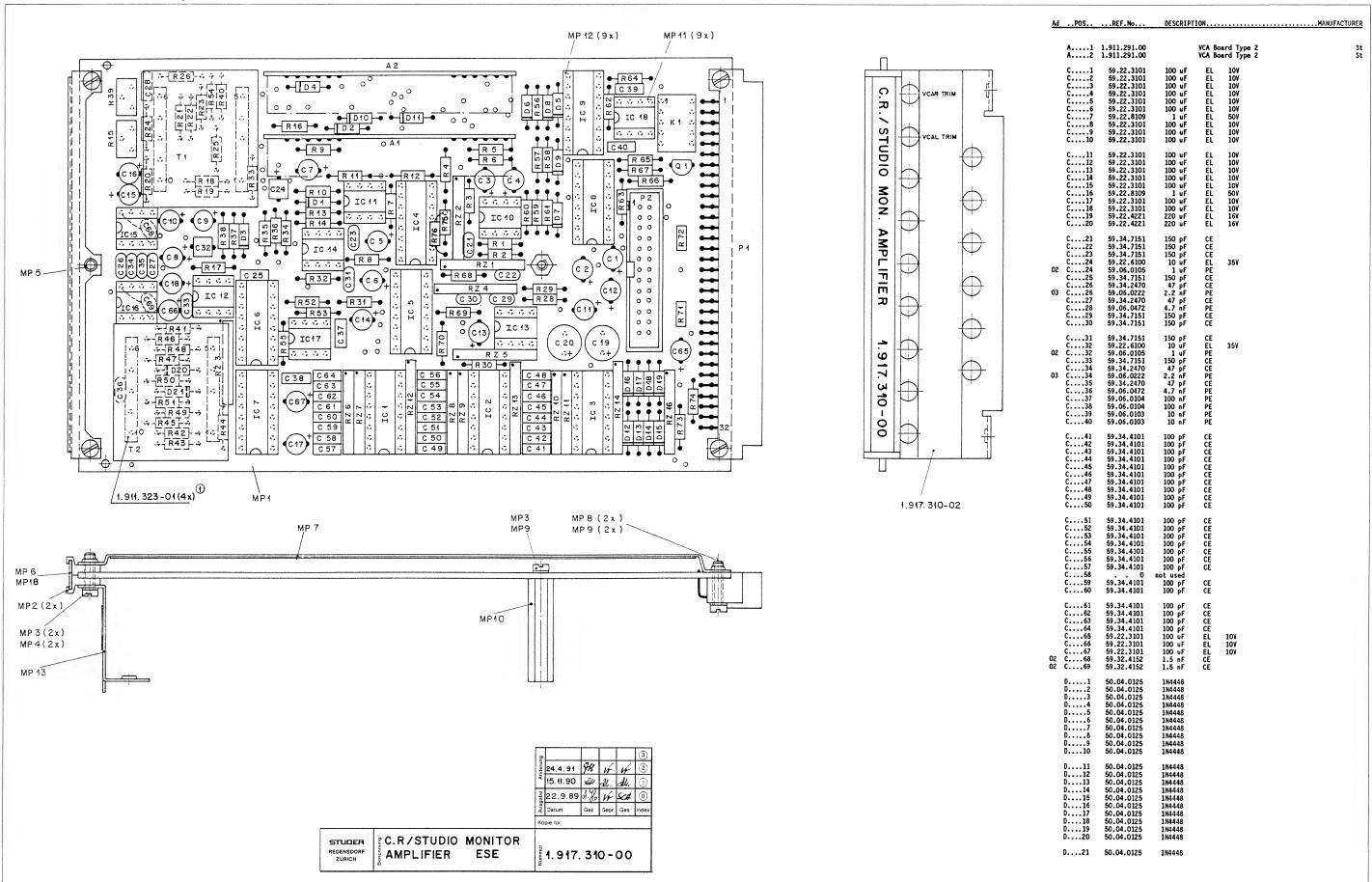
P 	NO 	NAME 	REMARK	B=BUS G=CONNECTION S=SYMMETRIC I=INVERS AS=ASYMMETRIC
P1 P1 P1 P1 P1 P1 P1	01 02A 02B 03A 03B 04A 04B 05A 05B 06	OV-A IN A-L-a IN A-L-b IN A-R-a IN A-R-b IN B-L-a IN B-L-b IN B-R-a IN B-R-b OV-A	GROUND AUDIO O-OHM INPUT A LEFT a O-OHM INPUT A LEFT b O-OHM INPUT A RIGHT a O-OHM INPUT A RIGHT b O-OHM INPUT B LEFT a O-OHM INPUT B LEFT b O-OHM INPUT B RIGHT a O-OHM INPUT B RIGHT b GROUND AUDIO RES	B X S S S S S S S
P1 P1 P1 P1 P1 P1 P1	07B 8 09A 09B 10A 10B 11A 11B	 OV-A M-HL-L-a M-HL-L-b M-HL-R-a M-HL-R-b 	RES GROUND AUDIO INPUT MASTER HL LEFT a INPUT MASTER HL LEFT b INPUT MASTER HL RIGHT a INPUT MASTER HL RIGHT b N.C. N.C. N.C.	B X S S S
P1 P1 P1 P1 P1 P1 P1	12B 13A 13B 14 15 16 17A 17A	METER-L-a METER-L-b - 15.5V OV-A + 15.5V METER-R-a METER-R-b OV-A	N.C. OUTPUT METER LEFT a OUTPUT METER LEFT b - SUPPLY GROUND AUDIO + SUPPLY OUTPUT METER RIGHT a OUTPUT METER RIGHT b GROUND AUDIO	S S B B X S S S
P1 P1 P1 P1	19A 19B 20A 20B 21A	OV-A PFL-IN-L-b OV-A - OV-A	GROUND AUDIO PFL INPUT LEFT (b) GROUND AUDIO N.C. GROUND AUDIO	AS,I B
P1 P1 P1	21B 22A 22B	PFL-IN-R-b OV-A CR-OUT-L-a	PFL INPUT RIGHT (b) GROUND AUDIO CR OUTPUT LEFT (a)	AS,I AS
P1 P1 P1	23A 23B 24A	OV-A CR-OUT-R-a OV-A	GROUND AUDIO CR OUTPUT RIGHT (a)	AS
P1 P1	24B 25A	S-OUT-L-a OV-A	GROUND AUDIO STUDIO OUTPUT LEFT (a) GROUND AUDIO	AS
P1 P1	25B 26A	S-OUT-R-a OV-A	STUDIO OUTPUT RIGHT (a) GROUND AUDIO	AS
P1 P1	26B 27A	PHO-OUT-L-a OV-A	PHONE OUTPUT LEFT (a) GROUND AUDIO	AS
P1 P1 P1 P1 P1	27B 28 29A 29B 30A 30B 31A	PHO-OUT-R-a OV-L DO O TSTB 5 - TXTH TXD	PHONE OUTPUT RIGHT (a) GROUND SIGN (LOGIC) DATA OUT O (ENABLE) TRANSMIT STROBE 5 RES TRANSMIT DATA THROUGH TRANSMIT DATA	AS B X X
P1	31B 32	TCL + 5.5V	TRANSMIT CLOCK + SUPPLY	в х











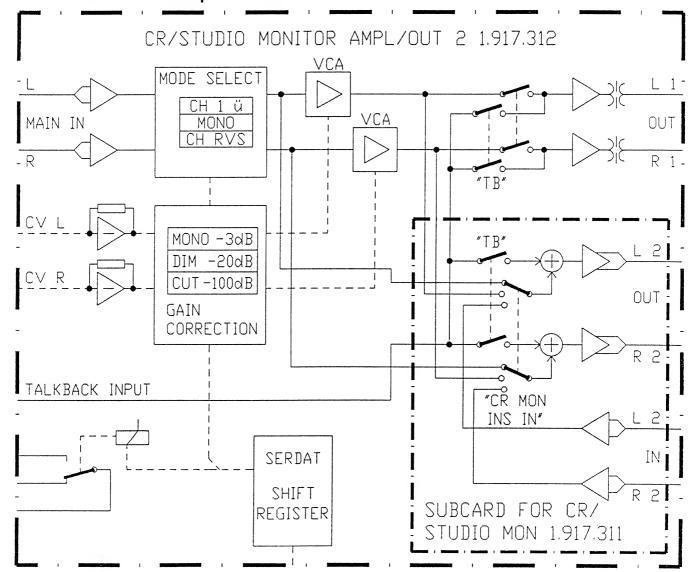


dPO\$	REF.No	DESCRIP	TIONMANUFACTURER	AdPOS	REF.No	DESCRIP	TION	MANUFACTURER
IC1 IC2 IC3 IC4 IC5 IC6	50.07.0018 50.07.0018 50.07.0018 50.07.0015 50.07.0015 50.07.0015	CD4094 CD4094 CD4094 CD4053 CD4053 CD4053	shift and store busregister shift and store busregister shift and store busregister triple 2 ch. analog mux/demux triple 2 ch. analog mux/demux triple 2 ch. analog mux/demux	R55 R56 R57 R58 R59 R60	57.11.3104 57.11.3913 57.11.3514 57.11.5335 57.11.3913 57.11.3514	100 kOhm 91 kOhm 510 kOhm 3.3 MOhm 91 kOhm 510 kOhm	1% MF 1% MF 1% MF 1% MF 1% MF	
IC7 IC8 IC9 IC10	50.07.0015 50.07.0015 50.07.0015 50.09.0117	CD4053 CD4053 CD4053 MC33078	triple 2 ch. analog mux/demux triple 2 ch. analog mux/demux triple 2 ch. analog mux/demux dual op. amp.	R61 R62 R63 R64 R65	57.11.5335 57.11.3104 57.11.3104 57.11.3104 57.11.3104	3.3 MOhm 100 kOhm 100 kOhm 100 kOhm 100 kOhm	1% MF 1% MF 1% MF 1% MF 1% MF	
IC11 IC12 IC13 IC14 IC15 IC15	50.09.0117 50.09.0117 50.09.0117 50.09.0117 50.09.0106 50.09.0117	MC33078 MC33078 MC33078 MC33078 NE5532AN MC33078	dual op. amp.	R66 R67 R68 R69 R70	57.11.3000 57.11.3000 57.11.3103 57.11.3822 57.11.3182	0 Ohm 0 Ohm 10 kOhm 8.2 kOhm 1.8 kOhm	Bridge Bridge 1% MF 1% MF	
IC16 IC17 IC18 K1	50.09.0106 50.09.0117 50.09.0117 50.09.0117 56.04.0195	NE5532AN MC33078 MC33078 MC33078	dual op. amp. dual op. amp. dual op. amp. dual op. amp. RELAIS 6V 2*U	R71 R72 R73 R74 R75 R76	57.92.7013 57.92.7013 57.11.3102 57.11.3682 57.11.3682	500 mA 500 mA 1.0 kOhm 6.8 kOhm 6.8 kOhm not used	1% MF 1% MF TB AF	ersion used only (see R77) used only (see R76) d only 57.11.3133(see R75
MP2 MP3 MP4 MP5 MP5 MP6 MP7 MP8 MP9	1.917.310.11 1.010.006.33 21.01.0280 24.16.1025 28.21.1380 28.21.1390 1.010.096.49 1.010.090.49 21.01.0281 24.16.1025 1.010.204.27	1 pcs 2 pcs 3 pcs 2 pcs 1 pcs 1 pcs 1 pcs 1 pcs 2 pcs 2 pcs 3 pcs 1 pcs	PCB Griffhaelfte Z-Schr.,ZN,M2.5*8 Rippenscheibe D2.7/5 Rohrniete,D2.25*6.5 Rohrniete,D2.25*7.0 Klarsichtschild Abschirmung komplett Z-Schr.,ZN,M2.5*10 Rippenscheibe D2.7/5 Mutterbolzen M2.5*25	R77 RZ1 RZ2 RZ3 RZ4 RZ5 RZ6 RZ7 RZ8 RZ9 RZ9	57.88.2682 57.88.2682 57.88.2682 57.88.2682 57.88.2682 57.88.2104 57.88.2104 57.88.2104	6.8 kOhm 6.8 kOhm 6.8 kOhm 6.8 kOhm 100 kOhm 100 kOhm 100 kOhm	5Y-PTC Version us 2% 4*1 networl	ed only 57.92.1121(see R73
MP11 MP12 MP13 MP17	53.03.0166 53.03.0168 1.917.142.01 43.01.0108 1.917.310.01	9 pcs 9 pcs 1 pcs 1 pcs 1 pcs	IC-Socket, 8-pin IC-Socket, 16-pin Halter ESE-Schild Bezeichnungsstreifen 6.3*91	RZ10 RZ12 RZ13 RZ14 RZ16	57.88.2104 57.88.2104 57.88.4104 57.88.4104 57.88.4104 57.88.2101	100 kOhm 100 kOhm 100 kOhm 100 kOhm 100 kOhm 100 Ohm	2% 4*1 network 2% 4*1 network 2% 8*1 network 2% 8*1 network 2% 8*1 network 2% 4*1 network	
Q1	50.03.0436	BC 237	UNI NPN 100 mA	05 T1	1.022.363.81	100 01111	Line Output-Trafo	
P1 P2	54.11.2004 54.14.2003	2*32 pin 26 pin	eurocard-connector PCB ribbon connector	index (4) 29	1.022.363.81 .02.92 Rohrr	iete neu 7.	Line Output-Trafo O statt 6.5 mm	·
R1 R2 R3 R4 R5 R6 R7 R8 R9 R10	57.11.3682 57.11.3682 57.11.3223 57.11.3682 57.11.3682 57.11.3682 57.11.3223 57.11.323 57.11.302 57.11.3103	6.8 kOhm 6.8 kOhm 22 kOhm 6.8 kOhm 22 kOhm 22 kOhm 22 kOhm 3.0 kOhm 10 kOhm	1% MF 1% MF 1% MF 1% MF 1% MF 1% MF 1% MF 1% MF	CE = Ceramic	PE=Polyester : St = STUDER 1.917.310.00 1.917.310.00	CR/STUDIO-	.81 Ri < 40 Ohm MONITOR AMPLIFIER MONITOR AMPLIFIER MONITOR AMPLIFIER	SCA88/10/1000 SCA90/12/1401 SCA91/04/2402
R11 R12 R13 R14 R15 R16 R17 R18 R19	57.11.3333 57.11.3103 57.11.3472 57.11.3684 58.01.9104 57.11.3184 57.11.3302 57.11.3182 57.11.3223 57.11.3822	33 kOhm 10 kOhm 4.7 kOhm 680 kOhm 100 kOhm 180 kOhm 3.0 kOhm 1.8 kOhm 22 kOhm 8.2 kOhm	1% MF 1% MF 1% MF 1% MF trimpot 1% MF 1% MF 1% MF 1% MF		1.917.310.00	CR/STUDIO-	MONITOR AMPLIFIER MONITOR AMPLIFIER MONITOR AMPLIFIER	SE92/07/0203 SE92/02/2904 FRI93/11/2305
R21 R22 R23 R24 R25 R26 R28 R29 R30	57.11.3682 57.11.3223 57.11.3223 57.11.3103 57.11.3222 57.11.3102 57.11.3682 57.11.3682 57.11.3223	6.8 kOhm 6.8 kOhm 22 kOhm 10 kOhm 2.2 kOhm 1.0 kOhm 6.8 kOhm 6.8 kOhm 22 kOhm	1% MF					
R31 R32 R33 R34 R35 R36 R37 R38 R39 R40	57.11.3223 57.11.3682 57.11.3103 57.11.3103 57.11.3103 57.11.3472 57.11.3684 58.01.9104 57.11.3184	22 kOhm 6.8 kOhm 3.0 kOhm 10 kOhm 10 kOhm 4.7 kOhm 680 kOhm 100 kOhm 180 kOhm	1% MF					
R41 R42 R43 R44 R45 R46 R47 R48 R49	57.11.3302 57.11.3182 57.11.3223 57.11.3223 57.11.3822 57.11.3682 57.11.3682 57.11.3133 57.11.3222	3.0 kOhm 1.8 kOhm 22 kOhm 22 kOhm 6.8 kOhm 6.8 kOhm 6.2 kOhm 10 kOhm 2.2 kOhm	1% MF					
R51 R52 R53 R54	57.11.3102 57.11.3103 57.11.3104 57.11.3103	1 k0hm 10 k0hm 100 k0hm 10 k0hm	15 MF 15 MF 18 MF 16 MF					

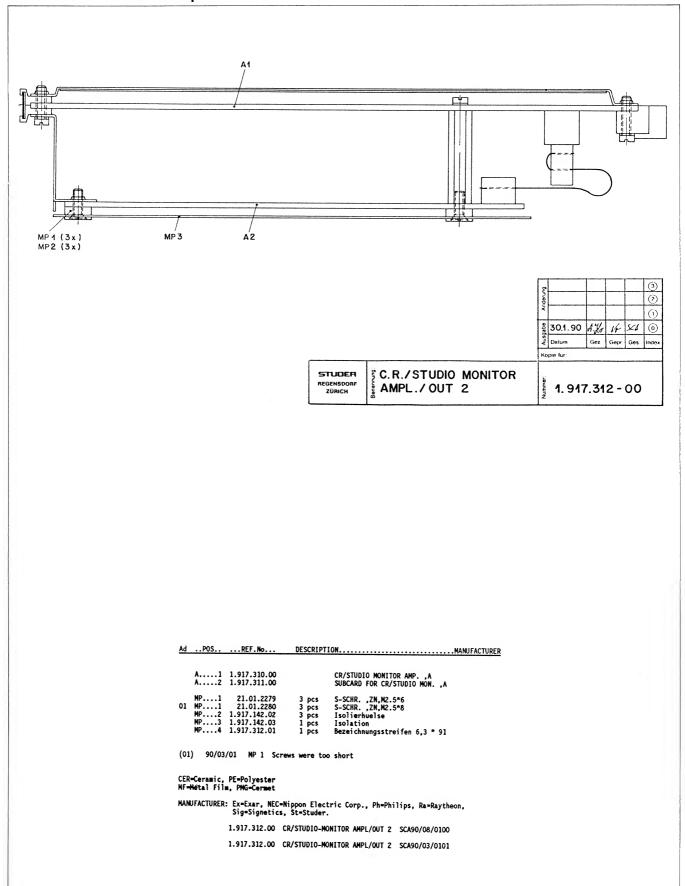
Pin Location List CR / Studio Monitor Amplifier 1.917.310.00

P 		NAME	REMARK	B=BUS O=CONNECT S=SYMMETR I=INVERS	IC
P1 P1	01A		RES RES	AS=ASYMME	TRIC
P1		_	RES		
P1	02B		RES		
P1	AEO	OV-A	GROUND AUDIO		
P1	03B	D USER			
P1	04A	REL-A-r	RELAIS A ; r= BREAK CONTACT		
Ρ1	04B	REL-B-r REL-A-a	RELAIS B ; r= BREAK CONTACT		
P1	05A	REL-A-a	RELAIS A ; a= MAKE CONTACT		
P1	05B	REL-B-a	RELAIS B ; a= MAKE CONTACT		
P1 P1	06A 06B	REL-A-s	RELAIS A ; s= CONTACT RELAIS B ; s= CONTACT		
P1	07	REL-B-s OV-A	GROUND AUDIO	В	хх
P1	A80	MON-OUT1-L-a		S	,,,,,
P1	08B	MON-OUT1-L-b	MONITOR OUTPUT 1 LEFT 6	S	
Ρ1	A20	MON-OUT1-R-a	MONITOR OUTPUT 1 RIGHT a	S	
P1	09B	MON-OUT1-R-b		S	
P1	10A	OV-A	GROUND AUDIO		
P1 P1	10B 11A	CV-MONO-D CV-DIM -D-L	CONTROL VOLTAGE MONO CONTROL VOLTAGE -20dB LEFT		
P1	11B	CV-DIM -D-R	CONTROL VOLTAGE -20dB RIGHT		
P1	12A	CV-MUTE-D-L	CONTROL VOLTAGE MUTE LEFT		
P1	12B	CV-MUTE D-R	CONTROL VOLTAGE MUTE RIGHT		
P1	13A	CV-VCA-R	CONTROL VOLTAGE VCA RIGHT		
⊃1	13B	CV-VCA-L	CONTROL VOLTAGE VCA LEFT	_	
⊃1 ⊃1	14	- 15.5V OV-A	- SUPPLY	В	XX
⊃ 1 ⊃ 1	15 16	+ 15.5V	GROUND AUDIO + SUPPLY	В В	X X X X
>1	17A	OV-A	GROUND AUDIO	b	^ ^
⊃1	17B		MONITOR OUTPUT 2 LEFT a	S	
≥1	18A	MON-OUT2-L-b	MONITOR OUTPUT 2 LEFT b	S	
⊃1	18B	MON-OUT2-R-a		S	
P1	19A	MON-OUT2-R-b		S	
P1 P1	19B 20A	OV-A -	GROUND AUDIO N.C.		
P1	20B		N.C.		
	21A		MONITOR INPUT 2 LEFT a	S	
P1	21B	MON-IN2-L-b	MONITOR INPUT 2 LEFT 6	S	
P1	22A	MON-IN2-R-a	MONITOR INPUT 2 RIGHT a	S	
P1	22B	MON-IN2-R-b	MONITOR INPUT 2 RIGHT b	S	
⊃1 ⊃1	23A 23B	TB-IN-a OV-A	TALKBACK INPUT (a) GROUND AUDIO	AS	
⊃ 1 ⊃ 1	23B 24A	MON-IN1-L-a	MONITOR INPUT 1 LEFT a	S	
21	24B	MON-IN1-L-b	MONITOR INPUT 1 LEFT b	S	
> ₁	25A	MON-IN1-R-a	MONITOR INPUT 1 RIGHT a	S	
⊃1	25B	MON-IN1-R-b	MONITOR INPUT 1 RIGHT b	S	
21	26A		RES		
21	26B		RES		
⊃1 ⊃1	27A 27B		RES		
⊃ı ⊃1	2.78 28	- OV-L	RES GROUND SIGN (LOGIC)	В	хх
21	29A	DO 0	DATA OUT O (ENABLE)	D	Λ Λ
> <u>î</u>	29B	TSTB 4	TRANSMIT STROBE 4		
⊇1	AOE	Maner	RES		
71	30B	TXTH	TRANSMIT DATA THROUGH		
P1	31A	TXD	TRANSMIT DATA		
⊃1	31B 32	TCL + 5.5V	TRANSMIT CLOCK + SUPPLY	В	хх

Subcard for CR / Studio Monitor 1.917.311.00 CR / Studio Monitor Amplifier / Out 1.917.312.00

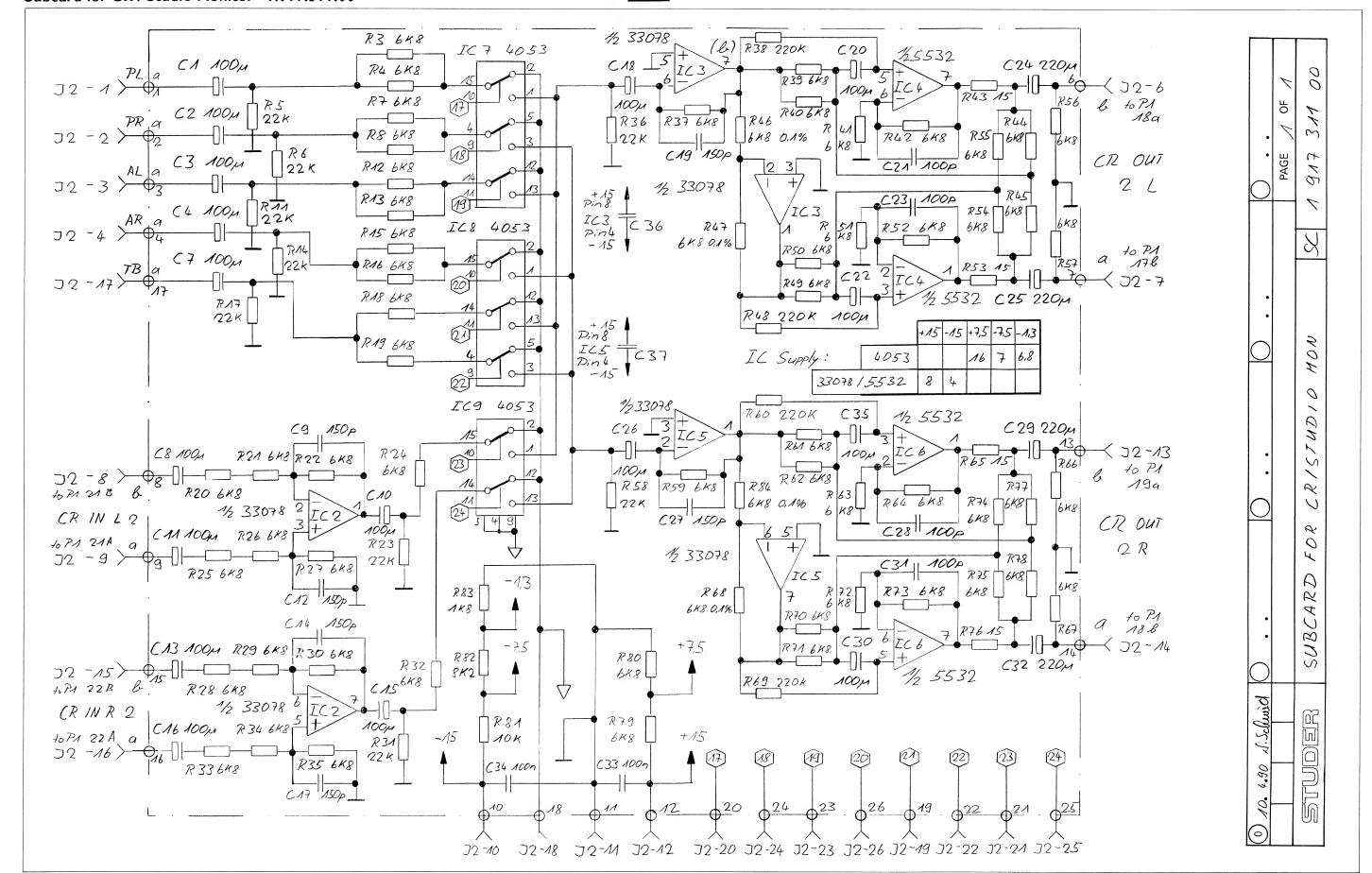


CR / Studio Monitor Amplifier / Out 2 1.917.312.00



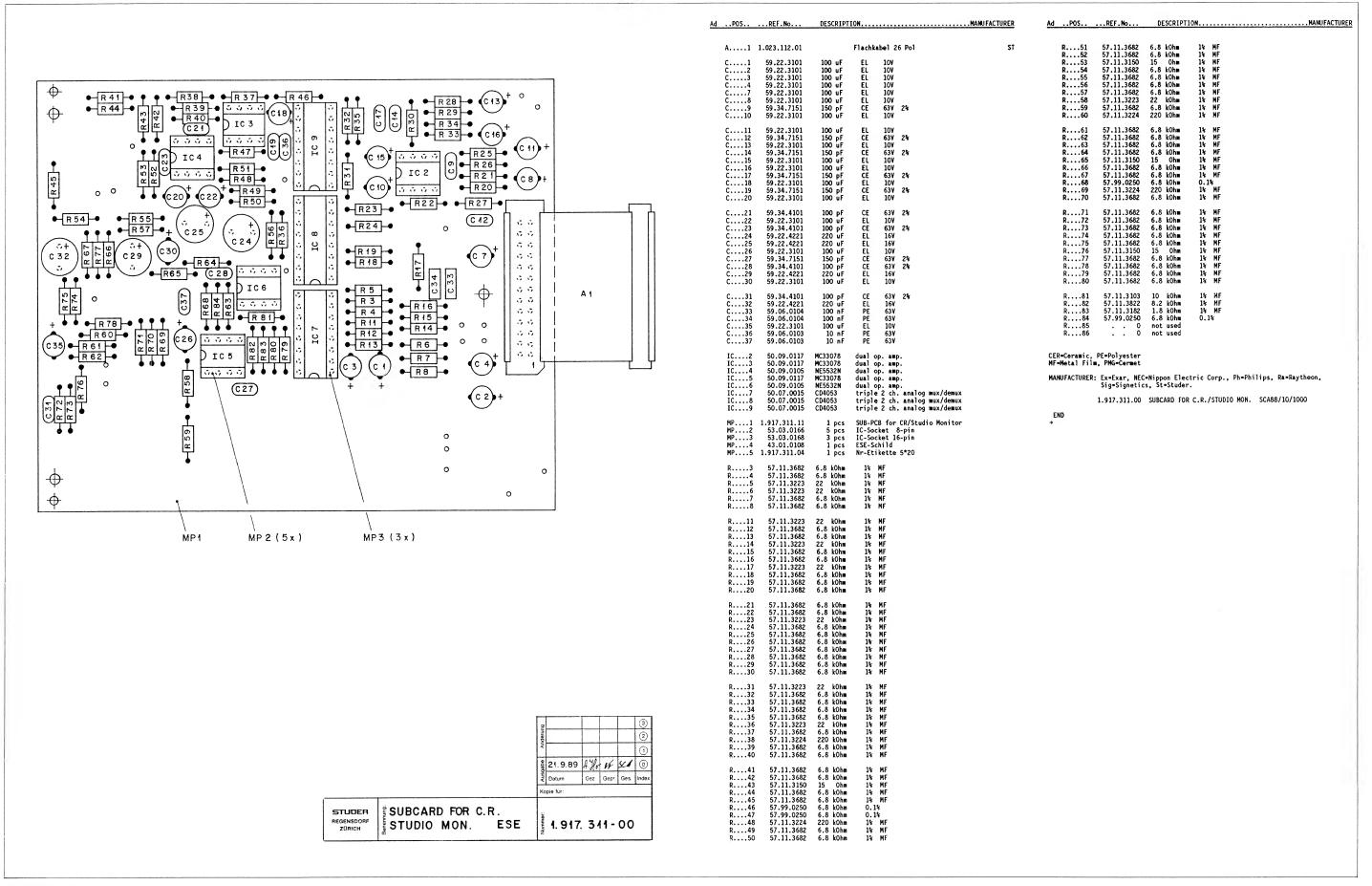
Subcard for CR / Studio Monitor 1.917.311.00



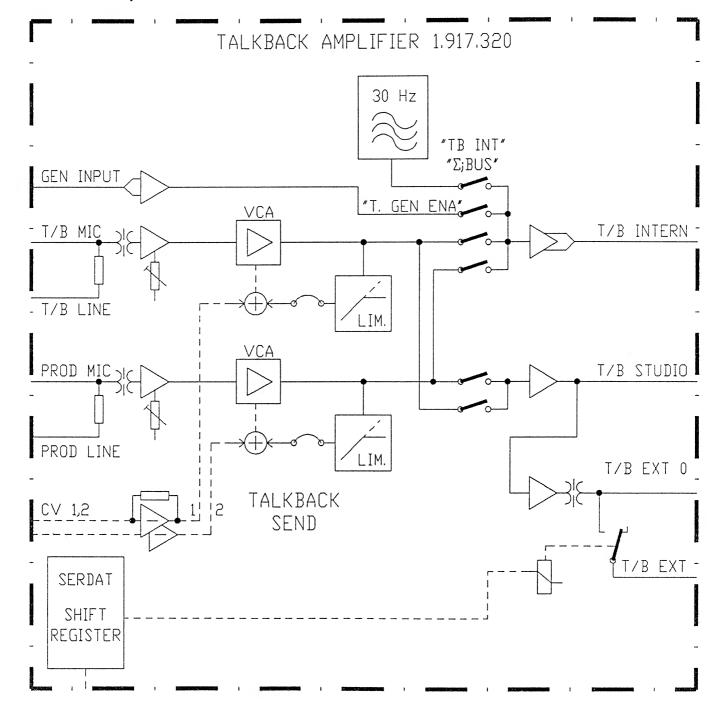


Subcard for CR / Studio Monitor 1.917.311.00



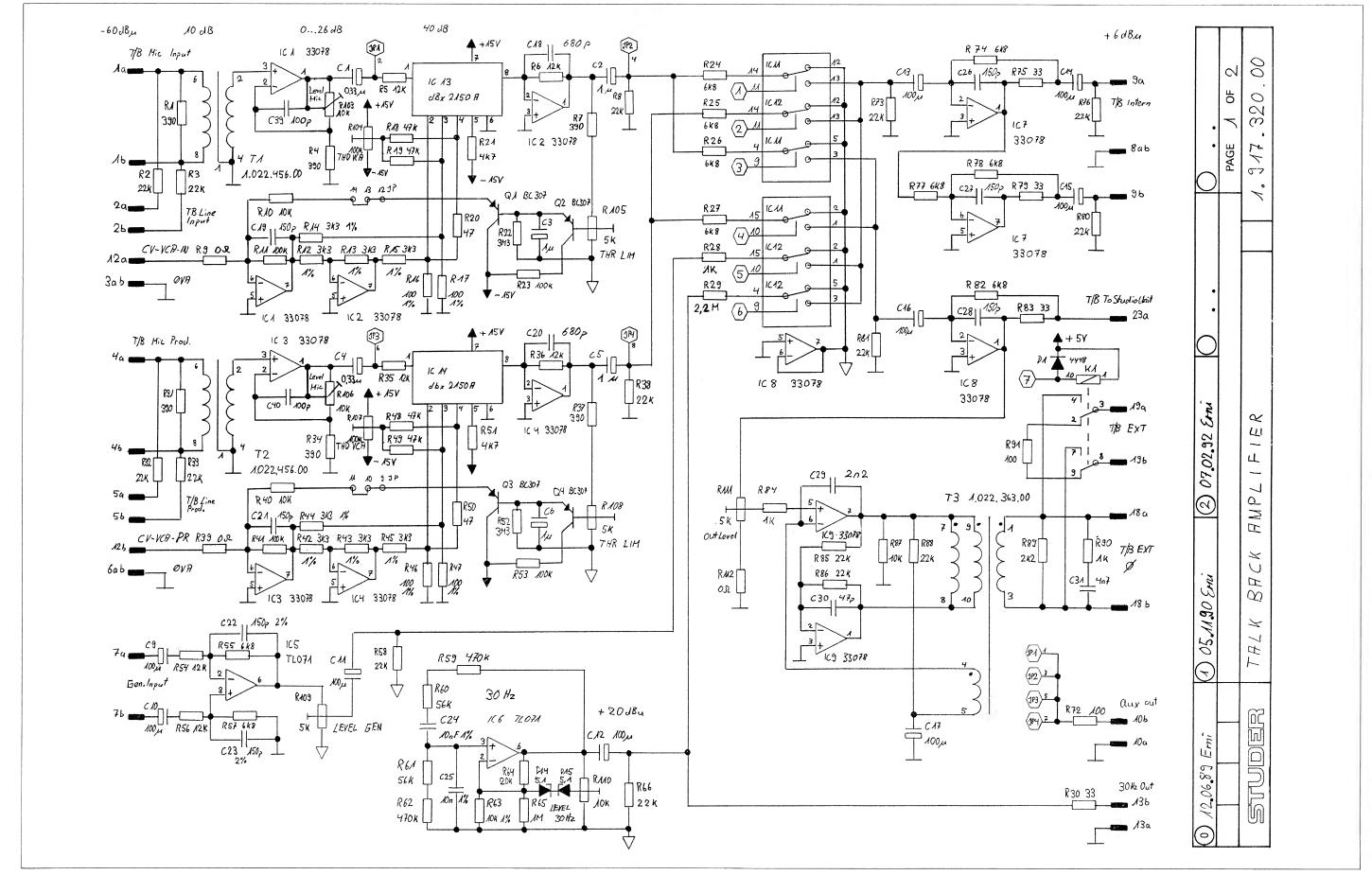


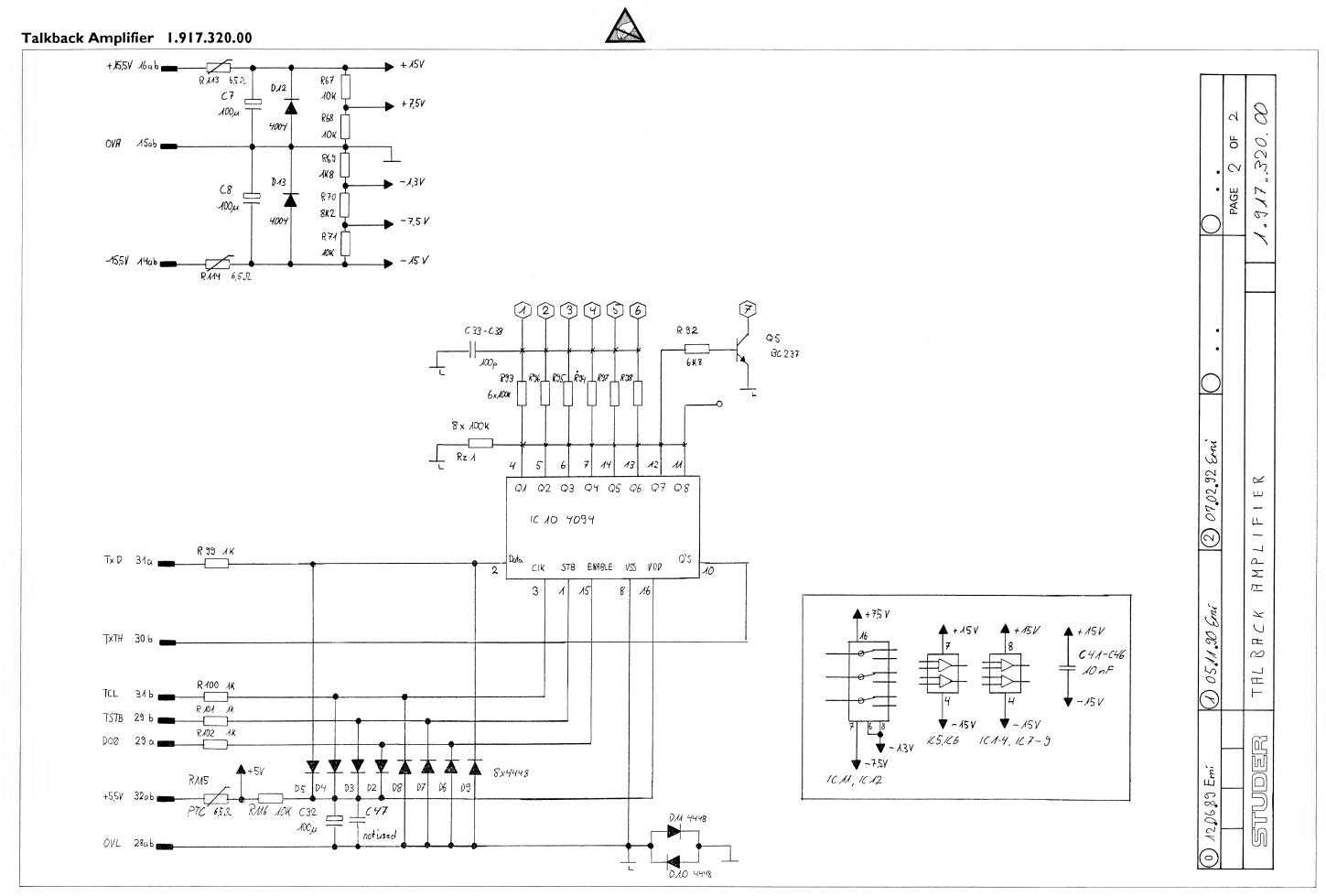
Talkback Amplifier 1.917.320.00



Talkback Amplifier 1.917.320.00

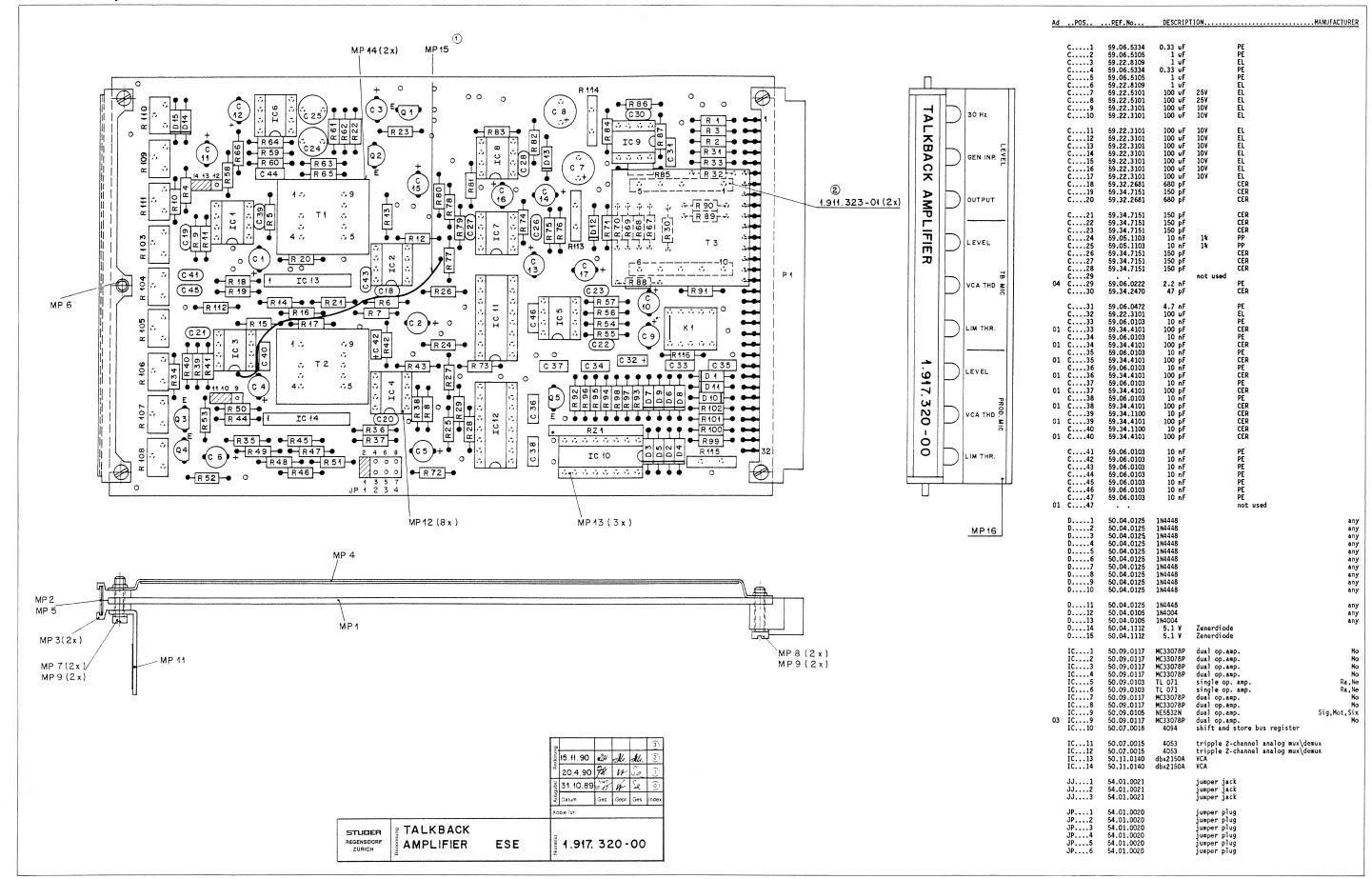






Talkback Amplifier 1.917.320.00









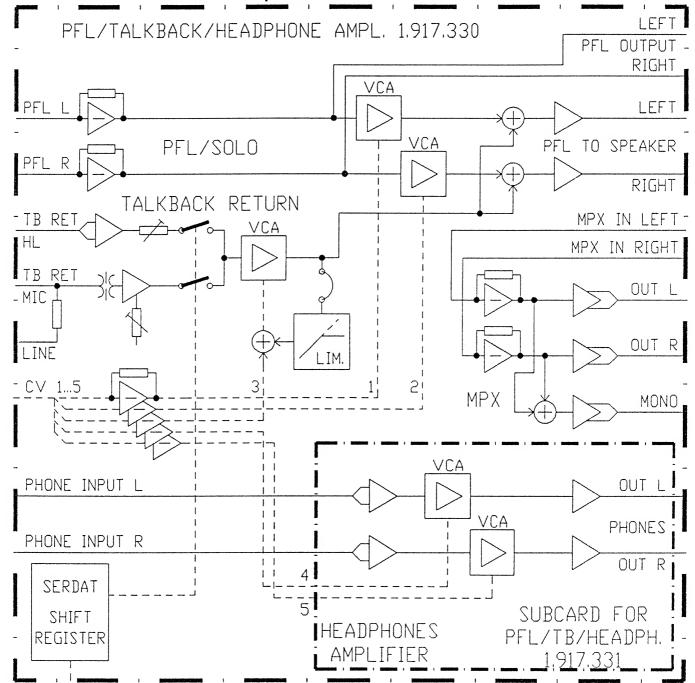
Talkback Amplifier 1.917.320.00

aikbaci	k Ampi	mer	1.717.34	20.00					CONTROL SE
AdPOS	REF.No	DESCRIP	PTION	MANUFACTURER	AdPOS	REF.No	DESCRIPTION		MANUFACTURER
JP7 JP8 JP9 JP10	54.01.0020 54.01.0020 54.01.0020 54.01.0020		jumper plug jumper plug jumper plug jumper plug jumper plug		R74 R75 R76 R77 R78 R79	57.11.3682 57.11.3330 57.11.3223 57.11.3682 57.11.3682 57.11.3330	6.8 kOhm 33 Ohm 22 kOhm 6.8 kOhm 6.8 kOhm 33 Ohm		
JP12 JP13 JP14 K1	54.01.0020 54.01.0020 54.01.0020 56.04.0195 54.11.2004	2*32pin	jumper plug jumper plug jumper plug SDS Relais euroconnector	Type TQ2-6Y Bu	R81 R82 R83 R84 R85	57.11.3223 57.11.3682 57.11.3330 57.11.3102 57.11.3223	22 kOhm 22 kOhm 6.8 kOhm 33 Ohm 1 kOhm 22 kOhm		
Q1 Q2 Q3 Q4 Q5	50.03.0515 50.03.0515 50.03.0515 50.03.0515 50.03.0436	BC307 BC307 BC307 BC307 BC237	PNP PNP PNP PNP NPN	or equivalent any	R86 R87 R88 R89 R90	57.11.3223 57.11.3223 57.11.3103 57.11.3223 57.11.3222 57.11.3102 57.11.3101	22 kOhm 10 kOhm 22 kOhm 1 kOhm 1 kOhm		
R1 R2 R3 R4 R5 R6 R7 R8 R9	57.11.3391 57.11.3223 57.11.3223 57.11.3123 57.11.3123 57.11.3123 57.11.323 57.11.3104 57.11.3000	390 Ohm 22 kOhm 22 kOhm 390 Ohm 12 kOhm 12 kOhm 12 kOhm 100 kOhm 0 Ohm			R92 R93 R95 R96 R97 R98 R99 R100	57.11.3682 57.11.3104 57.11.3104 57.11.3104 57.11.3104 57.11.3104 57.11.3101 57.11.3101	6.8 kOhm 100 hOhm		
R10 R11 R12 R13 R14 R15 R16 R17 R18 R19	57.11.3103 57.11.3104 57.11.3332 57.11.3332 57.11.3332 57.11.3101 57.11.3101 57.11.3473 57.11.3473 57.11.3470	10 k0hm 100 k0hm 3.3 k0hm 3.3 k0hm 3.3 k0hm 100 0hm 100 0hm 47 k0hm 47 k0hm 47 0hm	14 14 15 15 15 15		R101 R102 R103 01 R103 R105 R105 R106 R107 R108 R109 R110	57.11.3101 57.11.3101 58.01.9103 58.01.7103 58.01.9104 58.01.9502 58.01.9103 58.01.9103 58.01.9104 58.01.9502 58.01.9502 58.01.9502	100 Ohm 100 Ohm 10 kOhm trimpotm. 10 kOhm trimpotm. 100 kOhm trimpotm. 5 kOhm trimpotm. 10 kOhm trimpotm. 100 kOhm trimpotm. 5 kOhm trimpotm. 5 kOhm trimpotm. 10 kOhm trimpotm.	сси	
R21 R22 R23 R25 R26 R27 R28 01 R28 Q1 R28	57.11.3472 57.11.5335 57.11.3104 57.11.3682 57.11.3682 57.11.3682 57.11.362 57.11.3102 57.11.302 57.11.303 57.11.303	4.7 kOhm 3.3 MOhm 100 kOhm 6.8 kOhm 6.8 kOhm 6.8 kOhm 2.2 kOhm 1 kOhm 68 kOhm 2.2 MOhm 33 Ohm			R111 01 R112 R112 R114 R115 R116	57.11.3103 58.01.9502 57.11.3000 57.92.1271 57.92.1271 57.92.1271 57.11.3103 57.88.4104	10 kOhm 5 kOhm 0 Ohm PTC, 270mA, ca PTC, 270mA, ca 10 kOhm 100 kOhm 8*100kOh input trafo	. 6.5 Ohm . 6.5 Ohm . 1:2.24	STUDE
R30 R31 R32 R33 R34 R35 R36 R37 R38 R39 R39 R39	57.11.339 57.11.3223 57.11.3223 57.11.3391 57.11.3123 57.11.3123 57.11.3123 57.11.3000 57.11.3103	390 Ohm 22 kOhm 22 kOhm 390 Ohm 12 kOhm 12 kOhm 12 kOhm 10 kOhm 10 kOhm 10 kOhm			06 T3 MP1 MP2 MP3 MP4	1.022.456.00 1.022.363.81 1.917.320.01 1.010.006.33 1.010.090.49 1.010.096.49 28.21.1380 28.21.1390 21.01.0280 21.01.0280 21.01.0280 24.16.1025 43.01.0108	trafo 1 pcs Print 1 pcs Bez. Streifen 2 pcs Griffhaelften 1 pcs Abschirmblech 1 pcs Klarsicht Schi 1 pcs Rohrniete	1d 02.5/6 D 2.25 * 7.0 M2.5*8 M2.5*10 02.7/5	STUDE STUDE Studer Studer Studer Studer
R41 R42 R43 R45 R46 R47 R48	57.11.3104 57.11.3332 57.11.3332 57.11.3332 57.11.3101 57.11.3101 57.11.3473 57.11.3473	100 kOhm 3.3 kOhm 3.3 kOhm 3.3 kOhm 3.3 kOhm 100 Ohm 100 Ohm 47 kOhm	1% 1% 1% 1% 1%		MP11 MP12 MP13 MP14	1.915.001.02 53.03.0166 53.03.0168 1.022.400.03 1.010.112.64 1.917.320.02	1 pcs Winkel fuer Pc 9 pcs IC-Sockel 8 P 3 pcs IC-Sockel 16 P 2 pcs Isolation zu T 1 pcs Draht isoliert 1 pcs Schild Potmete	ti in in rafo 68mm	Studer Studer Studer
R50 R51 R52 R53 R54 01 R54 R55	57.11.3470 57.11.3472 57.11.5335 57.11.3104 57.11.3682 57.11.3682 57.11.3682	47 Ohm 4.7 kOhm 3.3 MOhm 100 kOhm 6.8 kOhm 12 kOhm 6.8 kOhm			03)Ein-Aussch 04)Trafostufe 05)Rohrniete 06)Trafo 1.00 CER=ceramic,	haltknallen ver e angepasst neu 7.0 statt 22.363.81 Ri < EL=electrolyti	6.5 mm 40 Ohm c, PE=polyester, PP=polypr	·	
R56 01 R56 R57 R58 R59 R60	57.11.3682 57.11.3123 57.11.3682 57.11.3223 57.11.3474 57.11.3563	6.8 kOhm 12 kOhm 6.8 kOhm 22 kOhm 470 kOhm 56 kOhm			MANUFACTURER:	Mot=Motorola, Sie=Siemens, TI=Texas Inst	I=General Instruments , MS=National Semiconductor Sig=Signetics, Six=Silicon truments TALKBACK AMPLIFIER		
R61 R62 R63 R64 R65 R66 R67 R68 R69 R70	57.11.3563 57.11.3474 57.11.3103 57.11.3203 57.11.3223 57.11.3103 57.11.3103 57.11.3182 57.11.3822	56 kOhm 470 kOhm 10 kOhm 20 kOhm 1 MOhm 22 kOhm 10 kOhm 10 kOhm 1.8 kOhm 8.2 kOhm	14 14			1.917.320.00 1.917.320.00 1.917.320.00 1.917.320.00 1.917.320.00	TALKBACK AMPLIFIER TALKBACK AMPLIFIER TALKBACK AMPLIFIER TALKBACK AMPLIFIER TALKBACK AMPLIFIER	SE90/04/2001 SE90/11/0502 SE91/01/0903 SE92/07/0204 SE92/02/2905	
R71 R72 R73	57.11.3103 57.11.3101 57.11.3223	10 kOhm 100 Ohm 22 kOhm				1.91/.320.00	TALKBACK AMPLIFIER	FRI93/11/2306	

Pin Location List
Talkback Amplifier 1.917.320.00

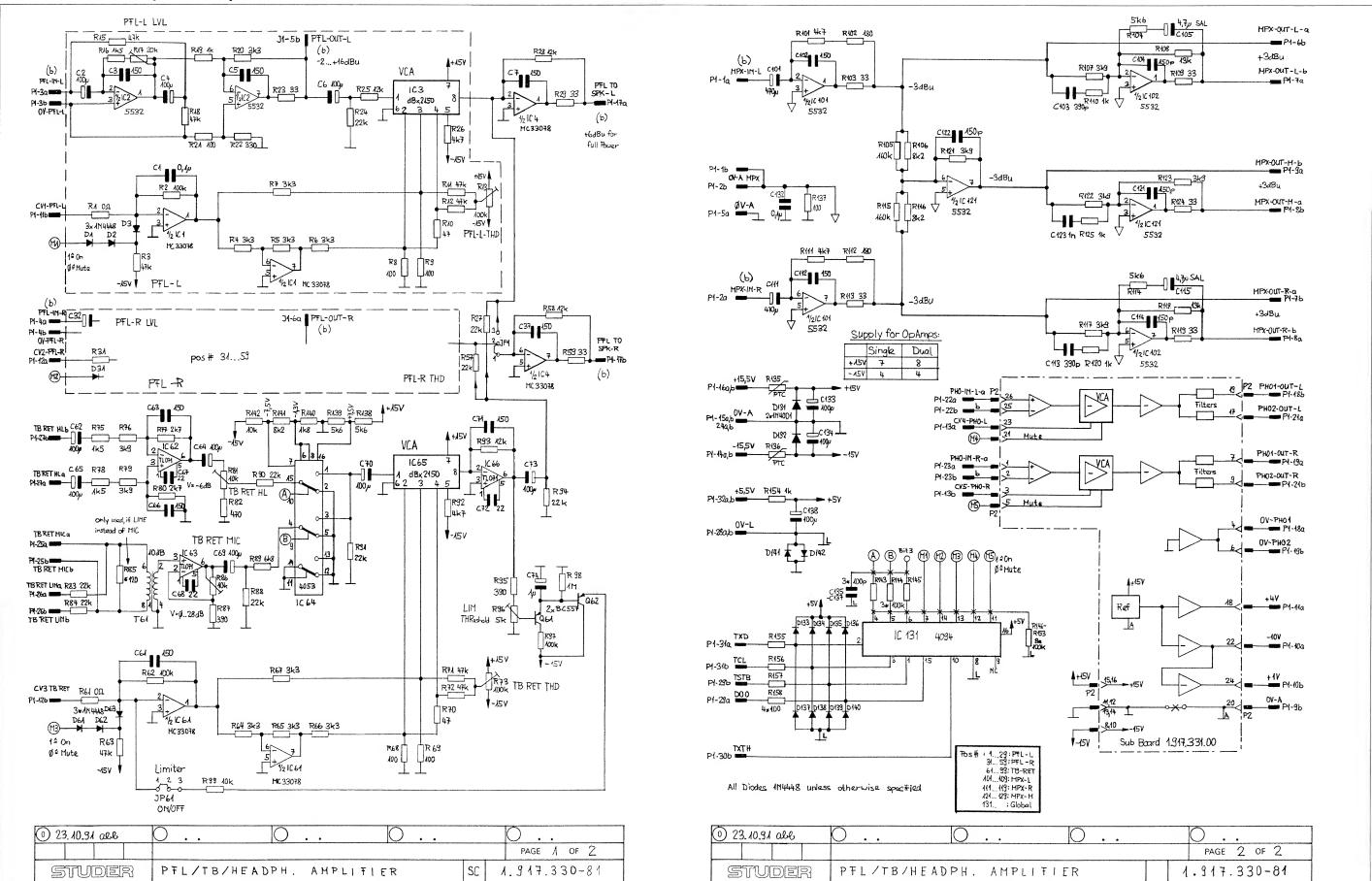
	NO 	NAME 	REMARK 	B=BUS O=CONNECTION S=SYMMETRIC I=INVERS AS=ASYMMETRIC		
P1 P1 P1 P1 P1 P1 P1 P1 P1	01A 01B 02A 02B 03 04A 04B 05A 05B 06 07A 07B	TB-LINE-IN-b OV-A TB-MIC -PR-a TB-MIC -PR-b TB-LINE-PR-a	TALKBACK MIC INPUT b TALKBACK LINE INPUT a TALKBACK LINE INPUT b GROUND AUDIO TALKBACK MIC PRODUCER a TALKBACK MIC PRODUCER b TALKBACK LINE PRODUCER a TALKBACK LINE PRODUCER b GROUND AUDIO OSZILATOR INPUT a	0,s 0,s 0,s 0,s 0,s 0,s 0,s 0,s		
P1 P1 P1 P1 P1 P1	08 09A 09B 10A 10B 11A 11B	OV-A TB-INT-a TB-INT-b OV-A AUX-OUT -	GROUND AUDIO TALKBACK INTERN OUTPUT; TALKBACK INTERN a OUTPUT; TALKBACK INTERN b GROUND AUDIO AUX OUTPUT N.C.	0,S 0,S 0,AS		
P1 P1 P1 P1 P1 P1 P1 P1 P1 P1 P1	12A J2B 13A 13B 14 15 16 17 18A 19B 20A 20B 21A 21B	OV-A 30HZ-OUT - 15.5V OV-A + 15.5V OV-A TB-EXT-O-a TB-EXT-O-b TB-EXT-1-a	CONTROL VOLTAGE VCA INPUT CONTROL VOLTAGE VCA PRODUCER GROUND AUDIO 30HZ OUTPUT - SUPPLY GROUND AUDIO	0,AS B X B X B X O,S O,S		
P1 P1 P1 P1 P1 P1 P1 P1 P1	22A 22B 23A 23B 24A 24B 25A 25B 26A 26B 27A	 TB TO STUDIO - - - - -	N.C. N.C. OUTPUT; TALKBACK TO STUDIO N.C. N.C. N.C. N.C. N.C. N.C. N.C. N.C	0,\$		
P1 P1 P1 P1	27B 28 29A 29B 30A	- OV-L DO O TSTB 4	N.C. GROUND SIGN (LOGIC) DATA OUT O (ENABLE) TRANSMIT STROBE 4 RES	в х		
P1 P1 P1 P1	30B 31A 31B 32	TXTH TXD TCL + 5.5V	TRANSMIT DATA THROUGH TRANSMIT DATA TRANSMIT CLOCK + SUPPLY	в х		

PFL / Talkback Headphone Amplifier 1.917.330.81 Subcard for PFL / Talkback Headphone 1.917.331.00



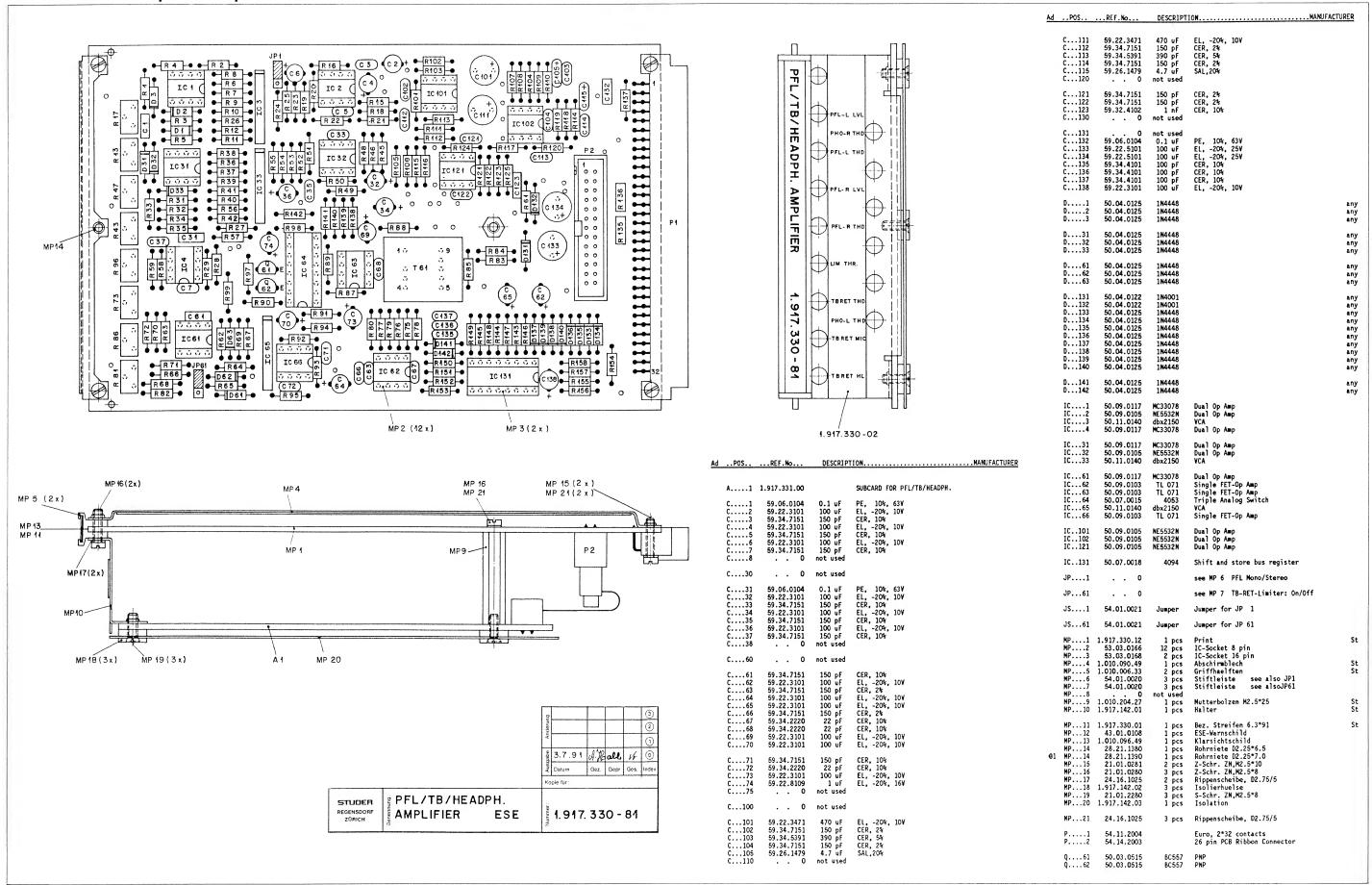
PFL / Talkback Headphone Amplifier 1.917.330.81





PFL / Talkback Headphone Amplifier 1.917.330.81







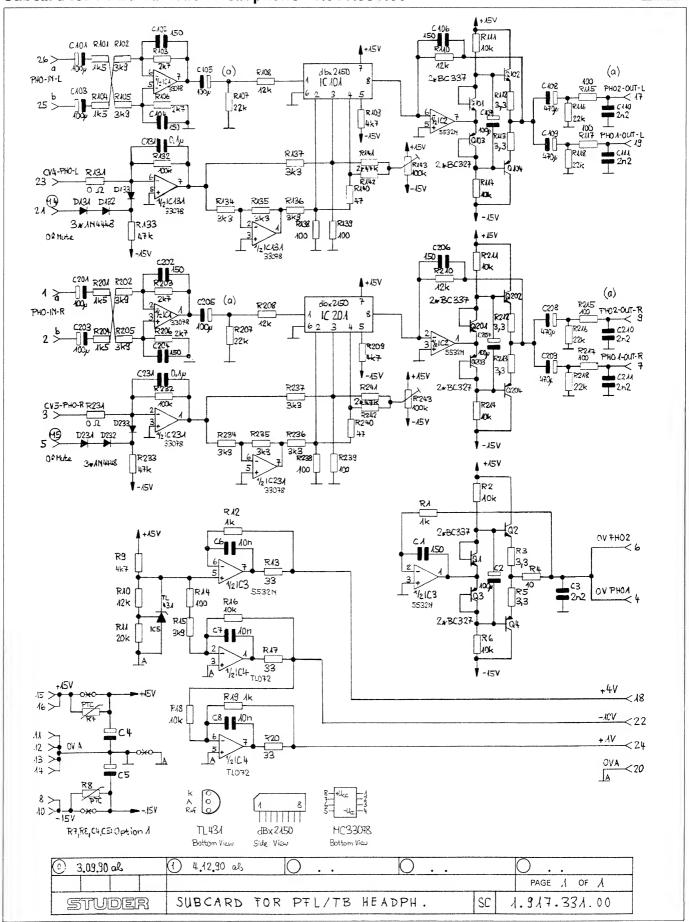
Pin Location List
PFL / Talkback Headphone Amplifier 1.917.330.81

P 	NO 	NAME 	REMARK	B=BUS O=CONNECTION S=SYMMETRIC I=INVERS AS=ASYMMETRIC
P1	01A	MPX-IN-L	MULTIPLEX INPUT LEFT	0,AS
P1	01B	OV-A MPX	GROUND AUDIO MPX	o ´
P1	02A	MPX-IN-R	MULTIPLEX INPUT RIGHT	O,AS
P1	02B	OV-A MPX	GROUND AUDIO MPX	0
P1	AEO	PFL-IN-L	PFL INPUT LEFT	O,AS
P1 P1	03B	OV PFL-L	GROUND AUDIO PFL LEFT	0
P1	04A 04B	PFL-IN-R OV PFL-R	PFL INPUT RIGHT GROUND AUDIO PFL RIGHT	O,AS O
P1	05A	OV-A	GROUND AUDIO	O
P1	05B		PFL OUTPUT LEFT	O,AS
P1	06A	PFL-OUT-L PFL-OUT-R	PFL OUTPUT RIGHT	O,AS
Ρ1	06B	MPX-OUT-L-a	MULTIPLEX OUTPUT LEFT a	0,8
P1	07A	MPX-OUT-L-b	MULTIPLEX OUTPUT LEFT b	0,8
P1	07B	MPX-OUT-R-a	MULTIPLEX OUTPUT RIGHT a	0,8
P1	08A 08B	MPX-OUT-R-b MPX-OUT-M-a	MULTIPLEX OUTPUT RIGHT 6 MULTIPLEX OUTPUT MASTER a	0,S 0,S
P1	APO	MPX-OUT-M-b	MULTIPLEX OUTPUT MASTER b	0,5
P1	09B	OV-A	GROUND AUDIO	-,-
P1	10A	-10V	CONTROL VOLTAGE VCA	
P1	10B	+1 V	CONTROL VOLTAGE VCA	
P1	11A	+4V	CONTROL VOLTAGE VCA	
P1	11B	CV 1-PFL-L	CTRL. VOLTAGE VCA 1.PFL LEFT	_
P1 P1	12A 12B	CV 2-PFL-R CV 3-TB RET	CTRL.VOLTAGE VCA 2 PFL RIGHT CTRL.VOLTAGE VCA 3 TB RETURN	
P1	13A	CV 4-PHO-L	CTRL. VOLTAGE VCA 3 1B RETORT	v
P1	13B	CV 5-PHÒ-R	CTRL.VOLTAGE VCA 5 PHONE R	
P1	14	- 15.5V	- SUPPLY	в х
P1	15	OV-A	GROUND AUDIO	в х
P1	16	+ 15.5V	+ SUPPLY	B X
P1 P1	17A 17B	PFL TO SPK-L PFL TO SPK-R	PFL TO SPEAKER LEFT PFL TO SPEAKER RIGHT	0,AS 0,AS
P1	18A	0V-PH01	GROUND AUDIO PHONE 1	0,43
P1	18B	PH01-OUT-L		0,AS
P1	19A	PH01-OUT-R	PHONE 1 OUTPUT RIGHT	O,AS
P1	19B	0V PH02	GROUND AUDIO PHONE 2	0
P1	20A	_	RES	
P1 P1	20B		RES	O,AS
P1	21A 21B	PH02-OUT-L PH02-OUT-R	PHONE 2 OUTPUT LEFT PHONE 2 OUTPUT RIGHT	0,AS
P1	22A	PHO-IN-L-a	PHONE INPUT LEFT a	0,8
ΡÎ	22B	PHO-IN-L-b	PHONE INPUT LEFT 6	0,8
P1	23A	PHO-IN-R-a	PHONE INPUT RIGHT a	0,8
P1	23B	PHO-IN-R-b	PHONE INPUT RIGHT 6	0,8
P1	24	OV-A	GROUND AUDIO	B X
P1	25A	TB RET MIC-a	TALKBACK RETURN MIC a	0,8
P1	25B	TB RET MIC-b	TALKBACK RETURN MIC b	0,8
P1 P1	26A 26B	TB RET LIN-a TB RET LIN-b	TALKBACK RETURN LINE a TALKBACK RETURN LINE b	o,s o,s
P1	27A	TB RET HL-a	TALKBACK RETURN HIGH LEVEL	
P1	27B	TB RET HL-b	TALKBACK RETURN HIGH LEVEL I	
ΡÎ	28	OV-L	GROUND SIGN (LOGIC)	В Х
P1	29A	DO 0	DATA OUT O (ENABLE)	
P1	29B	TSTB	TRANSMIT STROBE	
P1	30A	- TVTII	RES	
P1	30B	TXTH	TRANSMIT DATA THROUGH	
P1 P1	31A 31B	TXD TCL	TRANSMIT DATA TRANSMIT CLOCK	
	32	+ 5.5V	+ SUPPLY	в х



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Subcard for PFL / Talkback Headphone 1.917.331.00

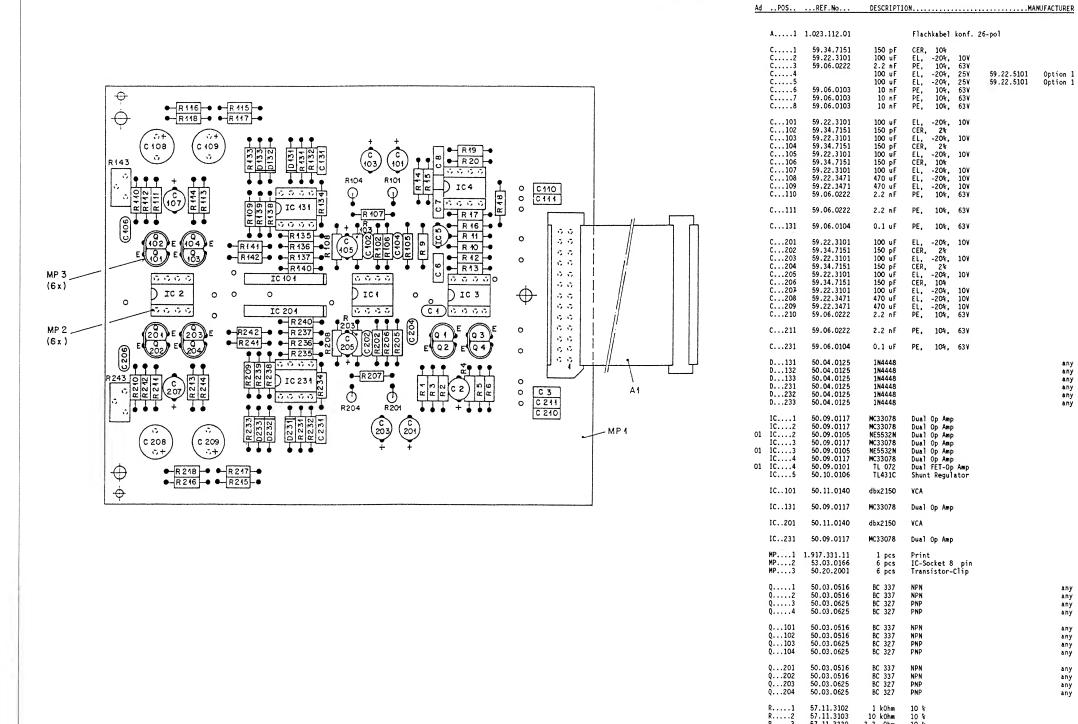


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Subcard for PFL / Talkback Headphone 1.917.331.00



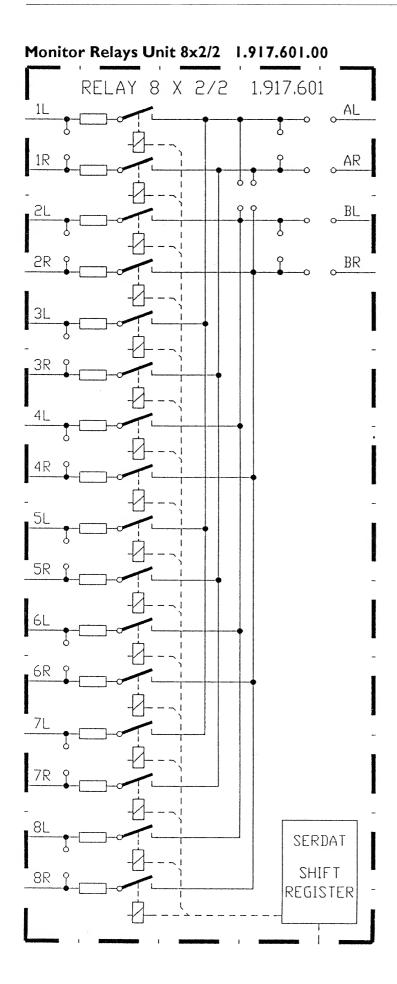


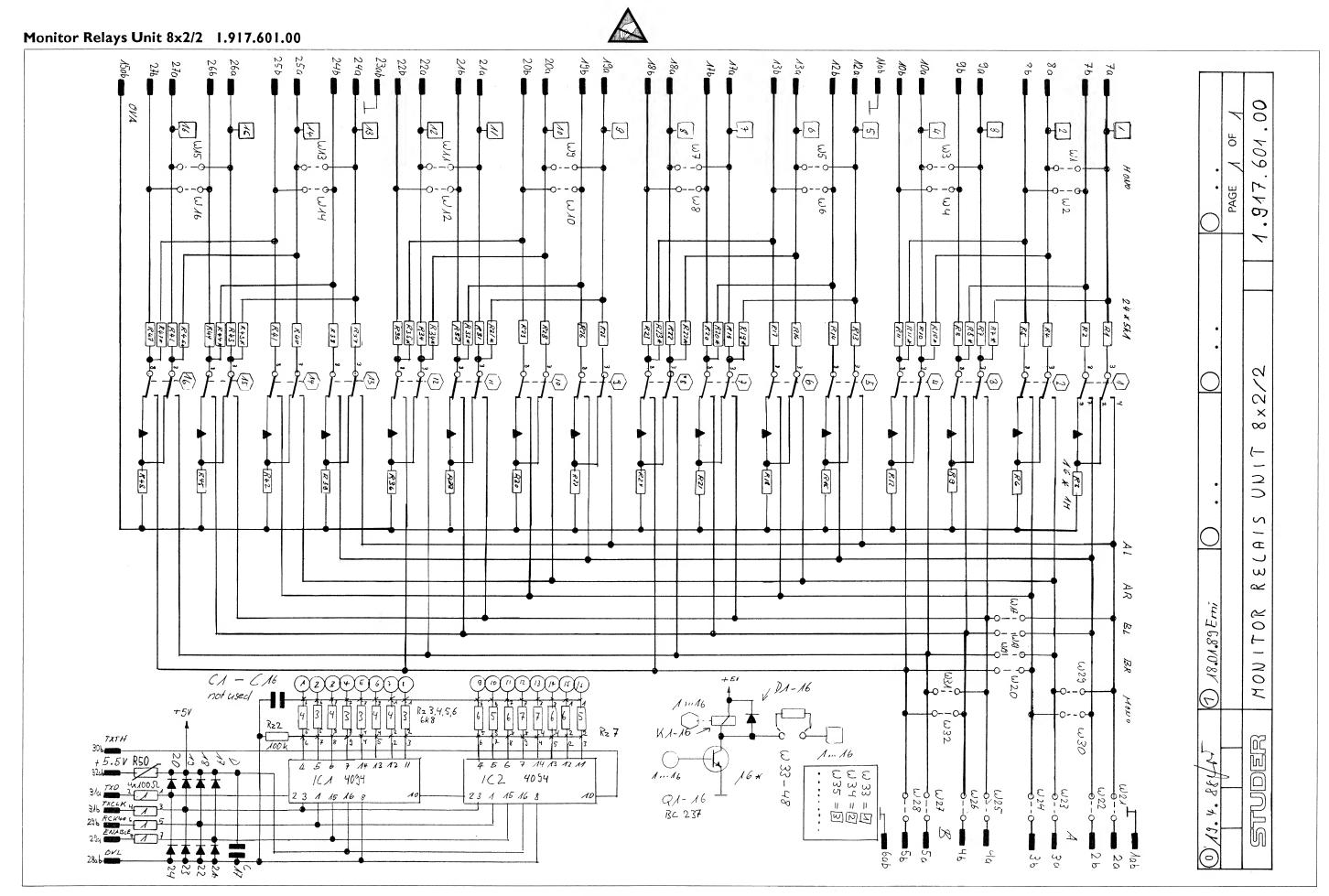
SUBCARD FOR

PFL/TB HEADPH. ESE

STUDER

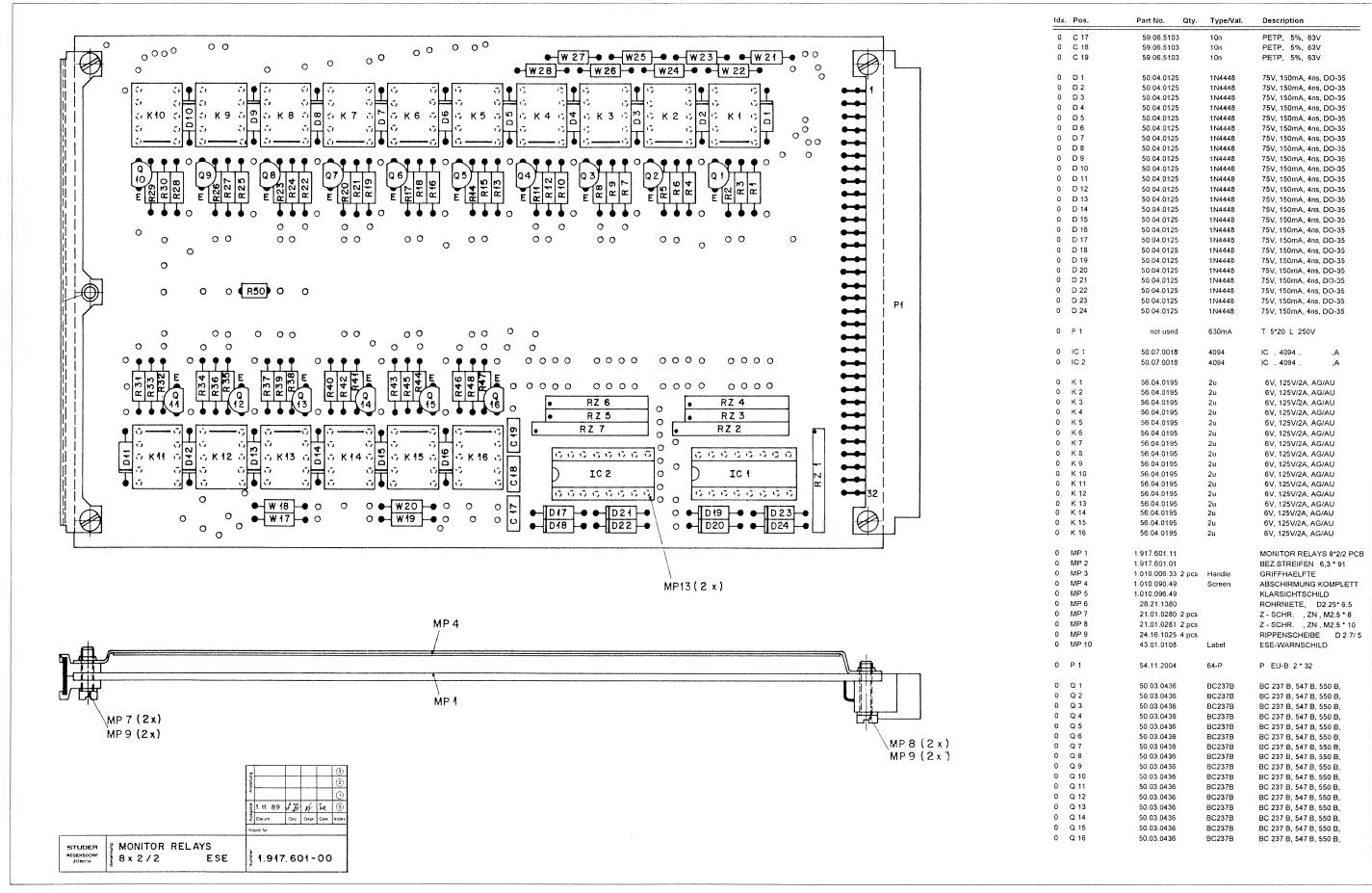
111001	· ·····································	DESCRIVI	100		MOTACTORER	<u>naos</u>	KLI.NO	DESCRIPTI	014	ACTOR
A	1 1.023.112.01		Flachkabel konf.	26-po1		R101	57.11.3152	1.5 kOhm	2 %	
ç	1 59.34.7151	150 pF	CER, 10%			R102 R103	57.11.3392 57.11.3272 57.11.3152	3.9 k0hm 2.7 k0hm	2 % 2 %	
c	3 59.06.0222	100 uF 2.2 nF	EL20%, 10V PE, 10%, 63V	fo oc 5111		R104 R105	57.11.3392	1.5 kOhm 3.9 kOhm	2 % 2 %	
c	5	100 uF 100 uF	EL, -20%, 25V EL, -20%, 25V	59.22.5101 59.22.5101	Option 1 Option 1	R106 R107	57.11.3272 57.11.3223	2.7 kOhm 22 kOhm	2 % 10 %	
c	7 59.06.0103	10 nF 10 nF	PE, 10%, 63V PE, 10%, 63V			R108 R109	57.11.3123 57.11.3472	12 kOhm 4.7 kOhm	2 % 10 %	
C		10 nF	PE, 10%, 63V			R110	57.11.3123	12 kOhm	2 %	
C10 C10	2 59.34.7151	100 uF 150 pF	EL, -20%, 10V CER, 2% EL, -20%, 10V			R111 R112	57.11.3103 57.11.3339	10 k0hm 3.3 0hm	10 % 10 %	
C10 C10 C10	4 59.34.7151	100 uF 150 pF 100 uF	EL, -20%, 10V CER, 2% EL, -20%, 10V			R113 R114	57.11.3339 57.11.3103	3.3 Ohm 10 kOhm	10 % 10 %	
C10 C10	6 59.34.7151	150 pF 100 uF	CER, 10% EL, -20%, 10V			R115 R116 R117	57.11.3101 57.11.3223 57.11.3101	100 Ohm 22 kOhm 100 Ohm	10 % 10 % 10 %	
C10 C10	8 59.22.3471	470 uF 470 uF	EL, -20%, 10V EL, -20%, 10V			R117	57.11.3101	22 kOhm	10 %	
C11	0 59.06.0222	2.2 nF	PE, 10%, 63V			R131 R132	57.11.3000 57.11.3104	0 Ohm 100 kOhm	Wiring Bridge 1 %	
C11		2.2 nF	PE, 10%, 63V			R133 R134	57.11.3473 57.11.3332	47 kOhm 3.3 kOhm	10 % 1 %	
C13		0.1 uF	PE, 10%, 63V			R135 R136	57.11.3332 57.11.3332 57.11.3332	3.3 kOhm 3.3 kOhm	1 % 1 %	
C20 C20	2 59.34.7151	100 uF 150 pF	EL, -20%, 10V CER, 2%			R137 R138	5/.11.3101	3.3 k0hm 100 0hm	1 % 1 %	
C20 C20	4 59.34./151	100 uF 150 pF	EL, -20%, 10V CER, 2%			R139 R140	57.11.3101 57.11.3470	100 Ohm 47 Ohm	1 % 10 %	
C20 C20 C20	6 59.34.7151	100 uF 150 pF 100 uF	EL, -20%, 10V CER, 10% EL, -20%, 10V			R141	57.11.3473	47 kOhm	10 %	
C20 C20	8 59.22.3471	470 uF 470 uF	EL, -20%, 10V EL, -20%, 10V EL, -20%, 10V			R142 R143	57.11.3473 58.01.9104	47 k0hm 100 k0hm	10 % 10 %, variable resistor	
C21		2.2 nF	PE, 10%, 63V			R201 R202	57.11.3152 57.11.3392	1.5 kOhm 3.9 kOhm	2 % 2 %	
C21		2.2 nF	PE, 10%, 63V			R203 R204	57.11.3392 57.11.3272 57.11.3152	2.7 kOhm 1.5 kOhm	2 % 2 %	
C23		0.1 uF	PE, 10%, 63V			R205 R206	57.11.3392 57.11.3272	3.9 kOhm 2.7 kOhm	2 % 2 %	
D13 D13 D13	1 50.04.0125 2 50.04.0125	1N4448 1N4448			any any	R207 R208	57.11.3223 57.11.3123	22 k0hm 12 k0hm	10 % 2 %	
D23 D23	3 50.04.0125 1 50.04.0125	1N4448 1N4448			any any	R209 R210	57.11.3472 57.11.3123	4.7 kOhm 12 kOhm	10 % 2 %	
D23 D23	2 50.04.0125 3 50.04.0125	1N4448 1N4448			any any	R211	57.11.3103	10 k0hm	10 %	
IC	1 50.09.0117	MC33078	Dual Op Amp			R212 R213	57.11.3339 57.11.3339	3.3 Ohm 3.3 Ohm	10 % 10 %	
01 IC	2 50.09.0105	MC33078 NE5532N	Dual Op Amp Dual Op Amp			R214 R215	57.11.3103 57.11.3101	10 k0hm 100 0hm	10 % 10 %	
01 IC	3 50.09.0105	MC33078 NE5532N	Dual Op Amp Dual Op Amp			R216 R217	57.11.3223 57.11.3101	22 kOhm 100 Ohm	10 % 10 %	
01 IC	4 50.09.0101	MC33078 TL 072 TL431C	Dual Op Amp Dual FET-Op Amp Shunt Pegulator			R218	57.11.3223	22 kOhm	10 %	
IC10		dbx2150	Shunt Regulator VCA			R231 R232 R233	57.11.3000 57.11.3104 57.11.3473	0 Ohm 100 kOhm 47 kOhm	Wiring Bridge 1 % 10 %	
IC13		MC33078	Dual Op Amp			R234 R235	57.11.3332 57.11.3332	3.3 kOhm 3.3 kOhm	1 % 1 %	
IC20		dbx2150	VCA			R236 R237	57.11.3332 57.11.3332	3.3 kOhm 3.3 kOhm	1 % 1 %	
IC23		MC33078	Dual Op Amp			R238 R239	57.11.3101 57.11.3101	100 Ohm 100 Ohm	1 % 1 %	
	1 1.917.331.11	1 pcs	Print			R240	57.11.3470	47 Ohma	10 %	
MP	2 53.03.0166 3 50.20.2001	6 pcs 6 pcs	IC-Socket 8 pin Transistor-Clip			R241 R242	57.11.3473 57.11.3473	47 kOhm 47 kOhm	10 % 10 %	
Q		BC 337	NPN		any	R243	58.01.9104	100 kOhm	10 %, variable resistor	
Q	3 50.03.0625	BC 337 BC 327 BC 327	NPN PNP DND		any any				IC 2,3,4 changed	
Q0		BC 327 BC 337	PNP NPN		any	Option 1 : fo	r standalone h		iiier	
Q102 Q103	50.03.0516	BC 337 BC 327	NPN PNP		any any any	Left channel	: Pos No 101 : Pos No 201 : Pos No 201			
Q104		BC 327	PNP		any	•	EL=Electrolyti		er	
Q202 Q202	2 50.03.0516	BC 337 BC 337	NPN NPN		any any	out outanic,	L.ectionyti	u, it-rolyes		
Q203 Q204	50.03.0625	BC 327 BC 327	PNP PNP		any	MANUFACTURER:	TI=Texas Inst	rument, St=S	uder	
R1	57.11.3102	1 kOhm	10 %		=,		1.917.331.00	SUBCARD FOR I	PFL/TB/HEADPH.	AB 89/09/2900
R2 R3	57.11.3103 57.11.3339	10 k0hm 3.3 0hm	10 % 10 %				1.917.331.00	SUBCARD FOR F	PFL/TB/HEADPH.	AB 90/12/0401
R4 R5	57.11.3100 57.11.3339	10 Ohm 3.3 Ohm	10 % 10 %			END				
R6 R7	,	10 kOhm 0.5 Ohm	10 % PTC, 0.5 A	57.92.7013	Option 1					
R8	57.11.3472	0.5 Ohm 4.7 k0hm	PTC, 0.5 A 2 %	57.92.7013	Option 1					
R10		12 k0hm	2 %							
R12 R12	57.11.3102	20 k0hm 1 k0hm	2 % 2 %							
R13 R14	57.11.3101	33 Ohm 100 Ohm	10 % 2 %							
R15 R16 R17	57.11.3392 57.11.3103 57.11.3330	3.9 kOhm 10 kOhm 33 Ohm	2 % 2 % 10 %							
R18 R19	57.11.3103	10 k0hm 1 k0hm	10 * 2 * 2 *							
R20	57.11.3330	33 Ohm	10 %							
	energy and the second s									













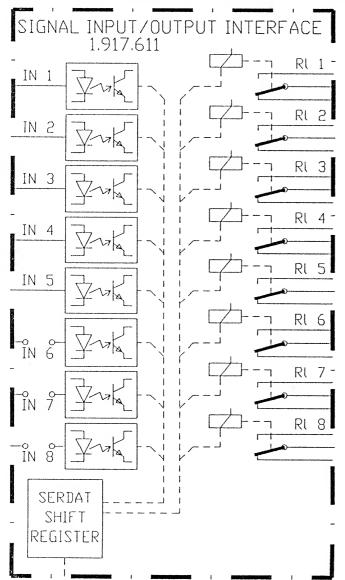
Monitor Relays Unit 8x2/2 1.917.601.00

dx. Pos.	Part No. Qty.	TypeA/al	Description	ldy Do-	Dort No.	Tuesdel	Description
		Type/Val.	Description	Idx. Pos.	Part No. Qty.		
0 R1 0 R2	57.11.3512 57.11.3512	5k1 5k1	MF, 1%, 0207	0 W 26 0 W 27	57.11.3000 57.11.3000	0R0 0R0	MF, 0207 MF, 0207
0 R3	57.11.3105	1M0	MF, 1%, 0207 MF, 1%, 0207	0 W 28	57.11.3000	0R0	MF, 0207
0 R4	57.11.3512	5k1	MF, 1%, 0207	0 W 29	not used	0R0	MF, 0207
0 R5	57.11.3512	5k1	MF, 1%, 0207	0 W 30	not used	0R0	MF, 0207
R6	57.11.3105	1M0	MF, 1%, 0207	0 W 31	not used	0R0	MF, 0207
R 7	57.11.3512	5k1	MF, 1%, 0207	0 W 32	not used	0R0	MF, 0207
R 8	57.11.3512	5k1	MF, 1%, 0207	0 W 33	not used	0R0	MF, 0207
R9	57.11.3105	1M0	MF, 1%, 0207	0 W 34	not used	0R0	MF, 0207
D R 10	57.11.3512	5k1	MF, 1%, 0207	0 W 35	not used	0R0	MF, 0207
R 11	57.11.3512	5k1	MF, 1%, 0207	0 W 36	not used	0R0	MF, 0207
R 12	57.11.3105 57.11.3512	1M0 5k1	MF, 1%, 0207 MF, 1%, 0207	0 W 37	not used	0R0	MF, 0207
R 14	57.11.3512	5k1	MF, 1%, 0207	0 W 38	not used	0R0	MF, 0207
R 15	57.11.3105	1M0	MF, 1%, 0207	0 W 39 0 W 40	not used	0R0	MF, 0207
R 16	57.11.3512	5k1	MF, 1%, 0207	0 W 41	not used not used	0R0 0R0	MF, 0207 MF, 0207
R 17	57.11.3512	5k1	MF, 1%, 0207	0 W 42	not used	0R0	MF, 0207
R 18	57.11.3105	1M0	MF, 1%, 0207	0 W 43	not used	0R0	MF, 0207
R 19	57.11.3512	5k1	MF, 1%, 0207	0 W 44	not used	0R0	MF, 0207
R 20	57.11.3512	5k1	MF, 1%, 0207	0 W 45	not used	0R0	MF, 0207
R 21	57.11.3105	1M0	MF, 1%, 0207	0 W 46	not used	0R0	MF, 0207
R 22	57.11.3512	5k1	MF, 1%, 0207	0 W 47	not used	0R0	MF, 0207
R 23	57.11.3512	5k1	MF, 1%, 0207	0 W 48	not used	0R0	MF, 0207
R 24	57.11.3105	1M0	MF, 1%, 0207	0 XIC 13	53.03.0168 2 pcs	16p	DIL 0.3", löt, gerade
R 25	57.11.3512	5k1	MF, 1%, 0207				
R 26 R 27	57.11.3512	5k1	MF, 1%, 0207	***************************************		End of List -	
	57.11.3105 57.11.3512	1M0	MF, 1%, 0207	Comments			
R 28 R 29	57.11.3512 57.11.3512	5k1	MF, 1%, 0207 MF, 1%, 0207				
R 29	57.11.3512 57.11.3105	5k1 1M0	MF, 1%, 0207 MF, 1%, 0207				
R 31	57.11.3512	5k1	MF, 1%, 0207				
R 32	57.11.3512	5k1	MF, 1%, 0207				
R 33	57.11.3105	1M0	MF, 1%, 0207				
R 34	57.11.3512	5k1	MF, 1%, 0207				
R 35	57.11.3512	5k1	MF, 1%, 0207				
R 36	57.11.3105	1M0	MF, 1%, 0207				
R 37	57.11.3512	5k1	MF, 1%, 0207				
R 38	57.11.3512	5k1	MF, 1%, 0207				
R 39	57.11.3105	1M0	MF, 1%, 0207				
R 40	57.11.3512	5k1	MF, 1%, 0207				
R 41	57.11.3512	5k1	MF, 1%, 0207				
R 42	57.11.3105	1M0	MF, 1%, 0207				
R 43	57.11.3512	5k1	MF, 1%, 0207				
R 44	57.11.3512	5k1	MF, 1%, 0207				
R 45	57.11.3105	1M0	MF, 1%, 0207				
R 46	57.11.3512	5k1	MF, 1%, 0207				
R 47	57.11.3512	5k1	MF, 1%, 0207				
R 48	57.11.3105	1M0	MF, 1%, 0207				
R 50	57.92.7014	0.65A	POLY- PTC, 60V				
RZ 1	57 99 2101	D 4*100D	P7 4 * 100 20 SID 8				
RZ 1	57.88.2101 57.88.4104	R 4*100R 100k	RZ 4*100 , 2%, SIP 8 RZ 8*100 K, 2%, SIP 9				
RZ 3	57.88.2682	R 4*6k8	RZ 4 * 6.8 K, 2%, SIP 8	•			
RZ 4	57.88.2682	R 4*6k8	RZ 4 * 6.8 K, 2%, SIP 8				
RZ 5	57.88.2682	R 4*6k8	RZ 4 * 6.8 K, 2%, SIP 8				
RZ 6	57.88.2682	R 4*6k8	RZ 4 * 6.8 K, 2%, SIP 8				
RZ 7	57.88.4104	100k	RZ 8*100 K, 2%, SIP 9				
W, 1	not used	0R0	MF, 0207				
W 2	not used	0R0	MF, 0207				
W 3	not used	0R0	MF, 0207				
W 4	not used	0R0	MF, 0207				
W 5	not used	0R0	MF, 0207				
W 6	not used	0R0	MF, 0207				
W 7	not used	0R0	MF, 0207				
W 8	not used	0R0	MF, 0207				
W 9 W 10	not used	0R0	MF, 0207				
W 10 W 11	not used	0R0	MF, 0207				
	not used	0R0	MF, 0207				
W 12 W 13	not used not used	0R0	MF, 0207				
W 14	not used not used	0R0 0R0	MF, 0207 MF, 0207				
W 15	not used	0R0 0R0					
W 15 W 16	not used	0R0 0R0	MF, 0207 MF, 0207				
W 17	not used	0R0	MF, 0207				
W 18	not used	0R0	MF, 0207				
W 19	not used	0R0	MF, 0207				
W 20	not used	0R0	MF, 0207				
W 21	57.11.3000	0R0	MF, 0207				
W 22	57.11.3000	0R0	MF, 0207				
W 23	57.11.3000	0R0	MF, 0207				
W 24	57.11.3000	0R0	MF, 0207				
W 25	***************************************		1411 , 0207				

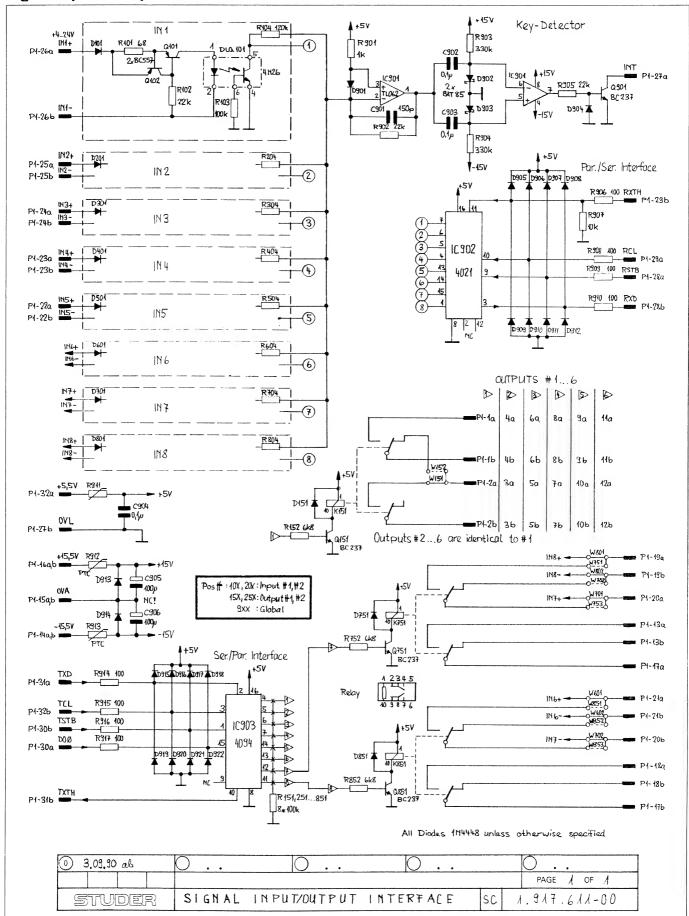
Pin Location List Monitor Relays Unit 8x2/2 1.917.601.00

P 	NO 	NAME 	REMARK	B=BUS 0=CONNECTIO S=SYMMETRIC I=INVERS AS=ASYMMETR	
P1 P1 P1 P1 P1 P1 P1 P1	01 02A 02B 03A 03B 04A 04B 05A 05B 06 07A 07B	OV-A BUS A-L-a BUS A-R-a BUS A-R-b BUS B-L-a BUS B-L-b BUS B-R-a BUS B-R-b OV-A IN 1-L-a IN 1-L-b	GROUND AUDIO OUTPUT A LEFT a; O-OHM BUS OUTPUT A LEFT b; O-OHM BUS OUTPUT A RIGHT a; O-OHM BUS OUTPUT A RIGHT b; O-OHM BUS OUTPUT B LEFT a; O-OHM BUS OUTPUT B LEFT b; O-OHM BUS OUTPUT B RIGHT a; O-OHM BUS OUTPUT B RIGHT b; O-OHM BUS GROUND AUDIO INPUT 1 LEFT a; RELAIS 1 INPUT 1 LEFT b; RELAIS 1	8,8 8,8 8,8 8,8 8,8 8,8 8,8	 x x
P1 P1 P1 P1 P1 P1 P1 P1 P1	08A 08B 09A 09B 10A 10B 11 12A 12B 13A 13B 14	IN 1-R-a IN 1-R-b IN 2-L-a IN 2-L-b IN 2-R-a IN 2-R-b OV-A IN 3-L-a IN 3-L-b IN 3-R-a IN 3-R-b - 15.5V OV-A	INPUT 1 RIGHT a ; RELAIS 2 INPUT 1 RIGHT b ; RELAIS 2 INPUT 2 LEFT a ; RELAIS 3 INPUT 2 LEFT b ; RELAIS 3 INPUT 2 RIGHT a ; RELAIS 4 INPUT 2 RIGHT b ; RELAIS 4 GROUND AUDIO INPUT 3 LEFT a ; RELAIS 5 INPUT 3 LEFT b ; RELAIS 5 INPUT 3 RIGHT a ; RELAIS 6 INPUT 3 RIGHT b ; RELAIS 6 - SUPPLY GROUND AUDIO	0,8 0,8 0,8 0,8 0,8 0,8 0,8 0,8 0,8	x x x x x x
P1 P1 P1 P1 P1 P1 P1 P1 P1	16 17A 17B 18A 18B 19A 20A 20B 21A 21B 22A 22B 23	+ 15.5V IN 4-L-a IN 4-L-b IN 4-R-a IN 4-R-b IN 5-L-a IN 5-R-a IN 5-R-b IN 6-L-a IN 6-R-a IN 6-R-a	+ SUPPLY INPUT 4 LEFT a ; RELAIS 7 INPUT 4 LEFT b ; RELAIS 7 INPUT 4 RIGHT a ; RELAIS 8 INPUT 4 RIGHT b ; RELAIS 8 INPUT 5 LEFT a ; RELAIS 9 INPUT 5 LEFT b ; RELASI 9 INPUT 5 RIGHT a ; RELAIS 10 INPUT 5 RIGHT b ; RELAIS 10 INPUT 6 LEFT a ; RELAIS 11 INPUT 6 LEFT b ; RELAIS 11 INPUT 6 RIGHT a ; RELAIS 12 INPUT 6 RIGHT b ; RELAIS 12 INPUT 6 RIGHT b ; RELAIS 12 GROUND AUDIO	8,9,9,9,9,9,9,9,9,9,9,9,9,9,9,9,9,9,9,9	x x
P1 P1 P1 P1 P1 P1 P1 P1 P1	24A 24B 25A 25B 26A 26B 27A 27B 28 29A 29B 30A 30B	IN 7-L-a IN 7-L-b IN 7-R-a IN 7-R-b IN 8-L-a IN 8-R-a IN 8-R-b OV-L DO 0 TSTB 5 - TXTH	INPUT 7 LEFT a ; RELAIS 13 INPUT 7 LEFT b ; RELAIS 13 INPUT 7 RIGHT a ; RELAIS 14 INPUT 7 RIGHT b ; RELAIS 14 INPUT 8 LEFT a ; RELAIS 15 INPUT 8 LEFT b ; RELAIS 15 INPUT 8 RIGHT a ; RELAIS 16 INPUT 8 RIGHT b ; RELAIS 16 GROUND SIGN (LOGIC) DATA OUT O (ENABLE) TRANSMIT STROBE 5 RES TRANSMIT DATA THROUGH	0,s 0,s 0,s 0,s 0,s 0,s	x x
P1 P1 P1	31A 31B 32	TXTH TXD TCL + 5.5V	TRANSMIT DATA THROUGH TRANSMIT DATA TRANSMIT CLOCK + SUPPLY	В	x x

Signal Input / Output Interface 1.917.611.00

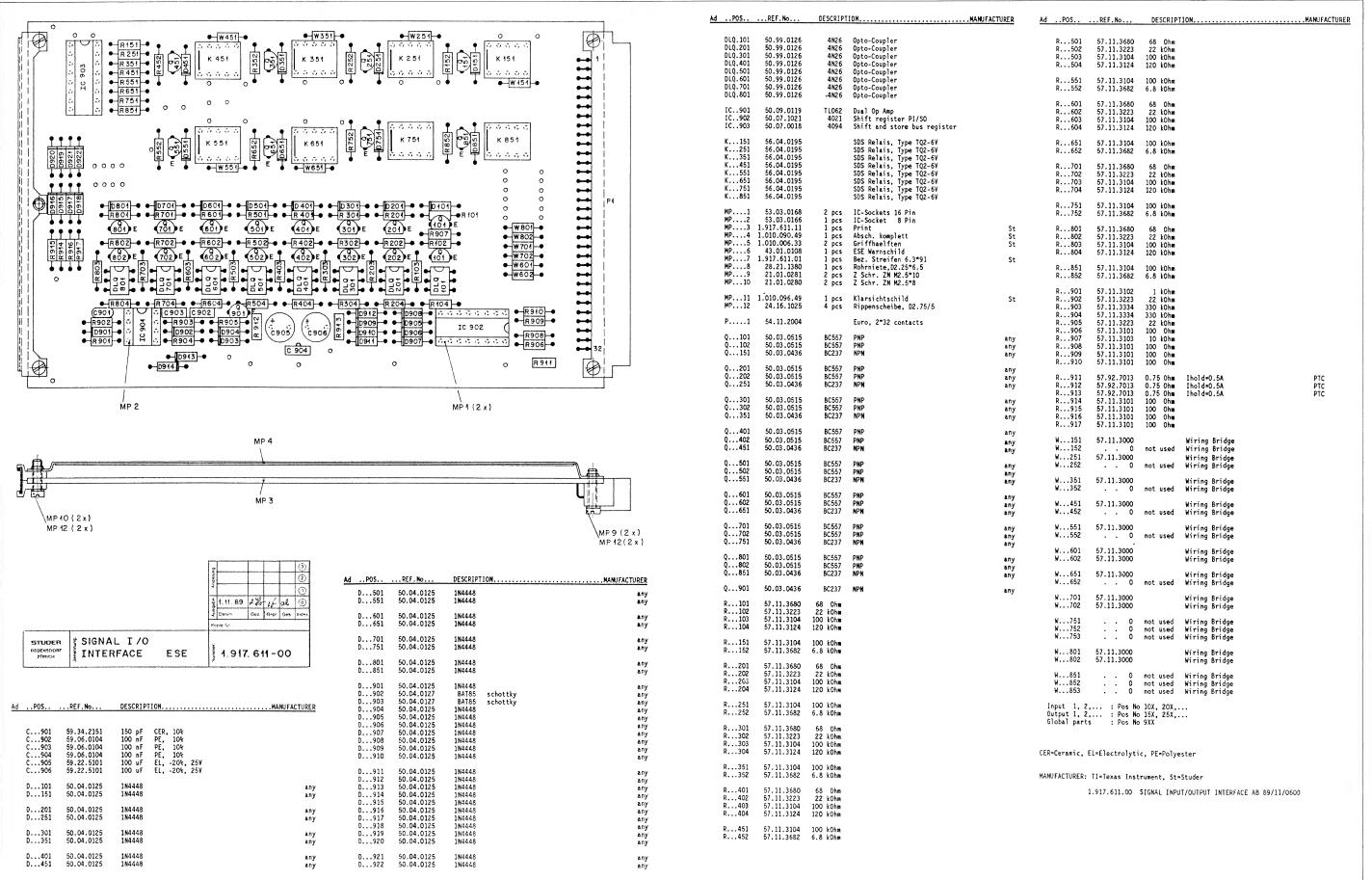


Signal Input / Output Interface 1.917.611.00











Pin Location List Signal Input / Output Interface 1.917.611.00

```
1.1 = RELAIS 1
                          , CONTACT 1
              = MAKE
                        CONTACT ; ARBEITSKONTAKT
              = BREAK CONTACT ; RUHEKONTAKT
              = SWITCH CONTACT ; SCHALTKONTAKT
   NO NAME
                          REMARK
                                                          B=BUS
                                                          O=CONNECTION
                                                          S=SYMMETRIC
                                                          I=INVERS
                                                          AS=ASYMMETRIC
P1
    01A
         1.1-a
                          RELAIS 1.1
P1
    01B
         1.1-5
                          RELAIS 1.1
P1
    02A
         1.2-a/1.1-r
                          RELAIS 1.2 / RELAIS 1.1
          1.2-s
P1
    02B
                          RELAIS 1.2
P1
          2.2-a/2.1-r
    AEO
                          RELAIS 2.2 / RELAIS 2.1
P1
    03B
                          RELAIS 2.2
          2.2-s
P1
    04A
                          RELATS 2.1
          2.1-a
                                                          B
P1
    04B
                          RELAIS 2.1
          2.1-s
                                                          В
         3.2-a/3.1-r RELAIS 3.2
3.2-s RELAIS 3.2
P1
                          RELAIS 3.2 / RELAIS 3.1
    05A
Ρ1
    05B
         3.2-s
P1
    06A
                          RELAIS 3.1
          3.1-a
P1
    06B
          3.1-s
                         RELAIS 3.1
                                                          В
         4.2-a/4.1-r
P1
    07A
                          RELAIS 4.2 / RELAIS 4.1
         4.2-s
P1
                         RELAIS 4.2
    07B
                                                          C
P1
    08A
         4.1-a
                          RELAIS 4.1
                                                          C
P1
    08B
          4.1-s
                          RELAIS 4.1
P1
    09A
          5.1-a
                         RELAIS 5.1
P1
    09B
         5.1-s
                          RELAIS 5.1
          5.2-a/5.1-r RELAIS 5.2
5.2-s RELAIS 5.2
P1
                         RELAIS 5.2 / RELAIS 5.1
    10A
P1
    10B
P1
    11A
          6.1-a
                          RELAIS 6.1
          6.1-s
                         RELAIS 6.1
P1
    11B
         6.2-a/6.1-r RELAIS 6.2
6.2-s RELAIS 6.2
P1
    12A
                         RELAIS 6.2 / RELAIS 6.1
P1
    12B
P1
          7.2-a
    13A
                          RELAIS 7.2
P1
    13B
         7.2-r
                         RELAIS 7.2
                                                          Ε
P1
          - 15.5V
                          - SUPPLY
    14
                                                                      ХХ
P1
                                                                      X X
X X
    15
          A-VO
                         GROUND AUDIO
                                                                В
P1
    16
          + 15.5V
                          + SUPPLY
         7.2-s
P1
    17A
                          RELAIS 7.2
                                                          Ε
P1
    17B
          8.2-s
                          RELAIS 8.2
                                                          E
P1
    18A
          8.2-a
                          RELAIS 8.2
P1
                          RELAIS 8.2
                                                          F
    18B
          8.2-r
         IN 8+ / 7.1-a OPTO IN 8+ / RELAIS 7.1
IN 8- / 7.1-r OPTO IN 8- / RELAIS 7.1
P1
    19A
P1
                                                          F
    19B
                          OPTO IN 8- / RELAIS 7.1
         IN 7+ / 7.1-s
Ρ1
    20A
                          OPTO IN 7+ / RELAIS 7.1
P1
    20B
          IN 7- / 8.1-a
                          OPTO IN 7- / RELAIS 8.1
P1
          IN 6+ / 8.1-r
                          OPTO IN 6+ / RELAIS 8.1
    21A
                          OPTO IN 6- / RELAIS 8.1
OPTO IN 5+
P1
    21B
          IN 6- / 8.1-s
Ρ1
    22A
          IN 5+
                                                          G
P1
                          OPTO IN 5-
    22B
          IN 5-
Ρ1
    23A
          IN 4+
                          OPTO IN 4+
Ρ1
    23B
         IN 4-
                          OPTO IN 4-
                                                          G
P1
                          OPTO IN 3+
                                                          G
    24A
          IN 3+
P1
                          OPTO IN 3-
    24B
         IN 3-
                                                          G
H
H
                          OPTO IN 2+
P1
    25A
          IN 2+
P1
                          OPTO IN 2-
    25B
         IN 2-
                          OPTO IN 1+
P1
    26A
         IN 1+
P1
    26B
          IN 1-
                          OPTO IN 1-
P1
                         INTERUPT
    27A
          INT
P1
    27B
                          GROUND SIGN (LOGIC)
                                                                В
                                                                      ХХ
         DV-L
P1
                                   STROBE
         RSTB
                          RECEIVE
    28A
P1
    28B
         RXD
                          RECEIVE
                                   DATA
Ρ1
    29A
         RCL
                          RECEIVE
                                   CLOCK
P1
    29B
         RXTH
                          RECEIVE
                                  DATA THROUGH
Ρ1
    30A
                          DATA OUT O
         DO 0
                                       (ENABLE)
P1
    30B
         TSTB
                          TRANSMIT STROBE
P1
    31A
         TXD
                          TRANSMIT DATA
P1
                          TRANSMIT DATA THROUGH
    31B
         TXTH
P1
                          + SUPPLY
                                                                В
          + 5.57
    32A
         TCL
P1
                          TRANSMIT CLOCK
    32B
```

8 POWER SUPPLY UNITS

General

For the power supply of the D940/D941 mixing consoles, Coutant 19" units (HSU series) are used which are equipped with a Studer front panel.

Studer Part No.	Description	Basic Coutant product
1.940.601.00	Power Supply 5 V/20 A	HSU-100-10
1,940.602.00	Power Supply ±15 V/3.4 A	HSU-100-23
1.940.603.00	Power Supply 24 V/4.2 A	HSU-100-13



Important

As the power supply units are safety-relevant parts, they may be serviced only by authorized personnel using original spare parts.

For replacement, contact your nearest Studer representative; for repair, contact the nearest Coutant distributor. The Coutant brand is represented worldwide by companies with the following names:

Coutant, Coutant-Lambda, Lambda-Coutant, Lambda electronics, Nemic-Lambda, or CL electronics.

8.1 Specifications

Mains voltages: $230 \text{ V} (200...240 \text{ V} \pm 10\%)$

115 V (100...120 V ±10%)

Voltage selector: Jumper below cover

Mains frequency: 47...440 Hz

Efficiency: typ. 75%

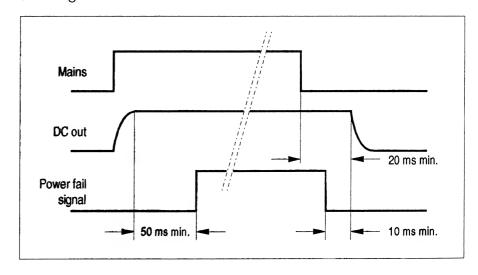
Output power: 100 W total

Output(s): short-circuit protected, main output(s) overload protected (110%)

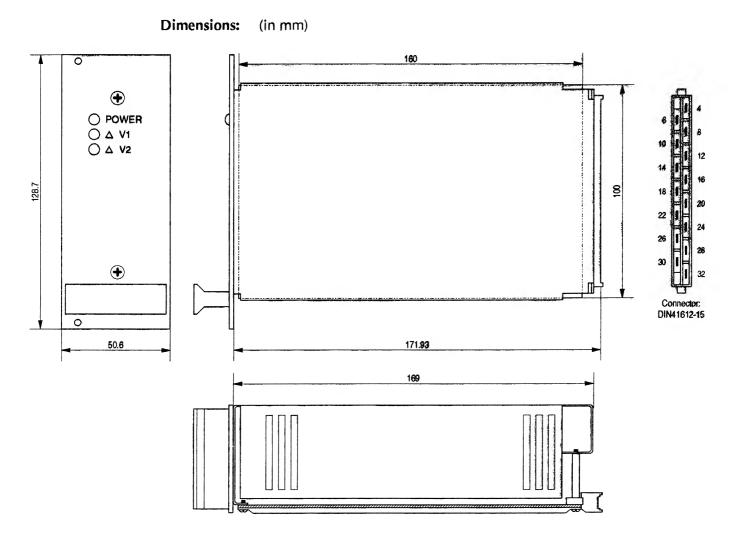
Power down (logic inhibit): Control input, TTL compatible, active high (5 V/1.6 mA)

Power fail: Output, open collector, TTL compatible, active low (max. 30 V/16 mA)

(see diagram below).







Pin assignment:

Pin	Single output	Twin output	
4	V1 +	V1 +	
6	V1 +	V1 GND	
8	Sense +	V2 –	
10	Sense GND	V2 GND	
12	V1 GND		
14	V1 GND		
16			
18			
20	Logic inhibit	Logic inhibit	
22	Power fail	Power fail	
24			
26			
28	AC live	AC live	
-30	AC neutral	AC neutral	
32	Safety GND	Safety GND	

Section 7 Edition: 19.11.96

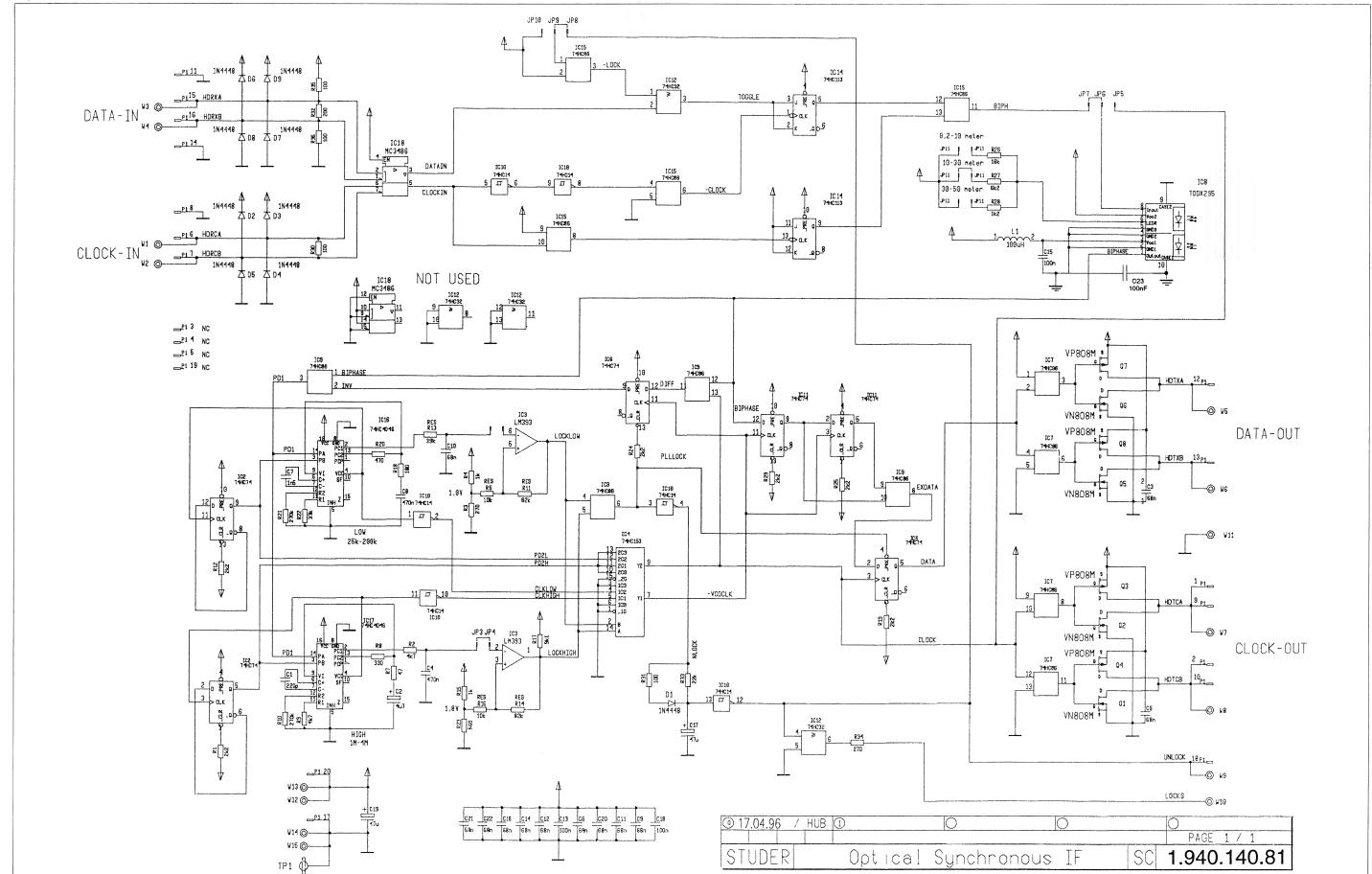
SCHEMATA / CIRCUIT DIAGRAMS

Connector Panel

Edition: 13.12.96 Section 8

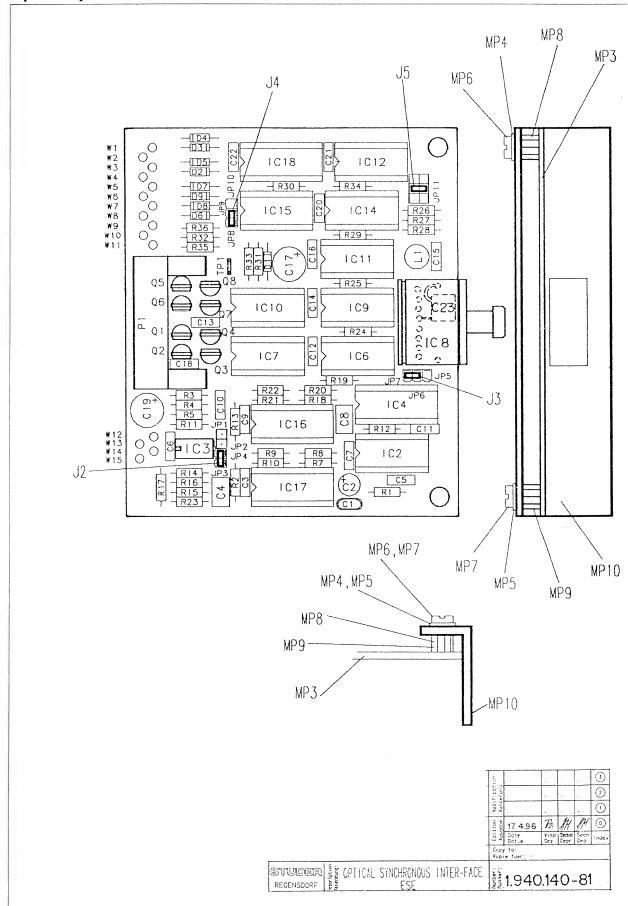






Optical Synchronous Interface 1.940.140.81





	Pos.	Part No.	Qty.	Type/Val.	Description	ldx.	. Pos.	Part No.	Qty.	Type/Val.	Description
	C 1	59.34.4221		220p	C 220 P , 5%, N750 , CER	0	Q 1	50.03.1505		VN0808M	VN 0808 M, ZVN 0108 A
	C 2	59.22.8479		4u7	EL 50V, 20%, rad RM5	0	Q 2	50.03.1505		M8080NV	VN 0808 M, ZVN 0108 A
	C 3	59.06.0683		68n	PETP, 10%, 63V	0	Q 3			VP0808M	VP 0808 M
	C 4							50.03.1554			
		59.06.0474		470n	PETP, 10%, 63V	0	Q 4	50.03,1554		VP0808M	VP 0808 M
	C 5	59.06.0683		68n	PETP, 10%, 63V	0	Q 5	50.03.1505		VN0808M	VN 0808 M, ZVN 0108 A
	C 6	59.06.0683		68n	PETP, 10%, 63V	0	Q 6	50.03.1505		VN0808M	VN 0808 M, ZVN 0108 A
	C 7	59.06.0152		1n5	PETP, 10%, 63V	0	Q 7	50.03.1554		VP0808M	VP 0808 M
	C 8	59.06.0474		470n	PETP, 10%, 63V	0	Q 8	50.03,1554		VP0808M	VP 0808 M
	C 9	59.06.0683		68n	PETP, 10%, 63V	U	Q U	30,03,1334		** 0000111	V. 0000 III
	C 10	59.06.0683		68n	PETP, 10%, 63V	0	R 1	57.11.3222		2k2	MF, 1%, 0207
	C 11	59.06.0683		68n	PETP, 10%, 63V	٥	R 2	57.11.3472		4k7	MF, 1%, 0207
	C 12	59.06.0683		68n	PETP, 10%, 63V	0	R 3	57.11.3271		270R	MF, 1%, 0207
	C 13	59,06,0104		100n	PETP, 10%, 63V	0	R 4	57.11.3102		1k0	MF, 1%, 0207
	C 14	59.06.0683		68n	PETP, 10%, 63V	0	R 5	57.11.3103		10k	MF, 1%, 0207
	C 15					0	R 6			9k1	
		59.06.0104		100n	PETP, 10%, 63V			not used			MF, 1%, 0207
	C 16	59.06.0683		68n	PETP, 10%, 63V	0	R 7	57.11.3470		47R	MF, 1%, 0207
	C 17	59.22.6470		47u	EL 40V, 20%, rad RM5	0	R 8	57.11.3331		330R	MF, 1%, 0207
	C 18	59.06.0104		100n	PETP, 10%, 63V	0	R 9	57.11.3472		4k7	MF, 1%, 0207
	C 19	59.22.6470		47u	EL 40V, 20%, rad RM5	0	R 10	57.11.3274		270k	MF, 1%, 0207
	C 20	59.06.0683		68n	PETP, 10%, 63V	0	R 11	57.11.3823		82k	MF, 1%, 0207
	C 21	59.06.0683		68n	PETP, 10%, 63V	0	R 12	57.11.3222		2k2	MF, 1%, 0207
	C 22	59.06.0683		68n	PETP, 10%, 63V	0	R 13	57.11.3393		39k	MF, 1%, 0207
	C 23	59.06.0104		100n	PETP, 10%, 63V	0	R 14	57.11.3823		82k	MF, 1%, 0207
		23.00.0104			,, , , , , , , , , , , , , , , , , ,	0	R 15	57.11.3102		1k0	MF, 1%, 0207
				4.14							
	D 1	50.04.0125		1N4448	75V, 150mA, 4ns, DO-35	0	R 16	57.11.3103		10k	MF, 1%, 0207
	D 2	50.04.0125		1N4448	75V, 150mA, 4ns, DO-35	0	R 17	57.11.3912		9k1	MF, 1%, 0207
	D 3	50.04.0125		1N4448	75V, 150mA, 4ns, DO-35	0	R 18	57.11.3181		180R	MF, 1%, 0207
	D 4	50.04.0125		1N4448	75V, 150mA, 4ns, DO-35	0	R 19	57.11.3222		2k2	MF, 1%, 0207
					•						
	D 5	50.04.0125		1N4448	75V, 150mA, 4ns, DO-35	0	R 20	57.11.3471		470R	MF, 1%, 0207
	D 6	50.04.0125		1N4448	75V, 150mA, 4ns, DO-35	0	R 21	57.11.3274		270k	MF, 1%, 0207
	D 7	50.04.0125		1N4448	75V, 150mA, 4ns, DO-35	0	R 22	57.11.3333		33k	MF, 1%, 0207
	D 8	50.04.0125		1N4448	75V, 150mA, 4ns, DO-35	0	R 23	57.11.3561		560R	MF, 1%, 0207
						0	R 24	57.11.3222		2k2	MF, 1%, 0207
	D 9	50.04.0125		1N4448	75V, 150mA, 4ns, DO-35	ō	R 25				
								57.11.3222		2k2	MF, 1%, 0207
	IC 2	50.17.1074		74HC74	IC 74 HC 74 ., ,A	0	R 26	57.11.3183·		18k	MF, 1%, 0207
	IC 3	50.05.0283		LM393	Dual Comparator ·	0	R 27	57.11.3622		6k2	MF, 1%, 0207
						0	R 28	57.11.3122		1k2	MF, 1%, 0207
	IC 4	50.17.1153		74HC153	IC 74 HC 153 ., ,A	0	R 29	57.11.3222		2k2	MF, 1%, 0207
	IC 6	50.17.1074		74HC74	IC 74 HC 74 ., ,A						
1	IC 7	50.17.1086		74HC86	IC 74 HC 86 ., ,A	0	R 30	57.11.3101		100R	MF, 1%, 0207
	IC 8	89.10.0101			TODX 295 ,A	0	R 31	57.11.3101		100R	MF, 1%, 0207
)	IC 9	50.17.1086		74HC86	IC 74 HC 86 ., ,A	0	R 32	57.11.3201		200R	MF, 1%, 0207
						0	R 33	57.11.3223		22k	MF, 1%, 0207
)	IC 10	50.17.1014		74HC14	IC 74 HC 14 ., ,A						
)	IC 11	50.17.1074		74HC74	IC 74 HC 74 ., ,A	0	R 34	57.11.3271		270R	MF, 1%, 0207
)	IC 12	50.17.1032		74HC32	IC 74 HC 32 ., ,A	0	R 35	57.11.3101		100R	MF, 1%, 0207
)	IC 14	50.17.1113		74HC113	IC 74 HC 113 ., ,A	0	R 36	57.11.3101		100R	MF, 1%, 0207
1	IC 15	50.17.1086		74HC86	IC 74 HC 86 ., ,A	0	TP 1	54.02.0320		1p	Flatpin, 2.8*0.8mm
1	IC 16	50.17.4046			IC 74 HC 4046 ., ,A	Ü		34.02.0320		ıβ	riatpin, 2.0 0.0mm
1	IC 17	50.17.4046			IC 74 HC 4046 ., ,A						
	IC 18	50.15.0104		MC3486	IC MC 3486 P, DS 3486 N,					End of Li	ist
						_					
	J 2	54.01.0021		Jumper	0.63 * 0.63mm	Cor	mments				
	J 3	54.01.0021		Jumper	0.63 * 0.63mm						
	J 4	54.01.0021		Jumper	0.63 * 0.63mm						
	J 5	54.01.0021		Jumper	0.63 * 0.63mm						
1	JP 1	54.01.0020		1-P	P STIFT .63*.63, H=5.8/3.4						
	JP 2	54.01.0020		1-P	P STIFT .63*.63, H=5.8/3.4						
	JP 3	54.01.0020		1-P	P STIFT .63*.63, H=5.8/3.4						
	JP 4	54.01.0020		1-P	P STIFT .63*.63, H=5.8/3.4						
	JP 5	54.01.0020		1-P	P STIFT .63*.63, H=5.8/3.4						
	JP 6	54.01.0020		1-P	P STIFT .63*.63, H=5.8/3.4						
	JP 7	54.01.0020		1-P	P STIFT .63*.63, H=5.8/3.4						
	JP 8	54.01.0020		1-P	P STIFT .63*.63, H=5.8/3.4						
	JP 9	54.01.0020		1-P	P STIFT .63*.63, H=5.8/3.4						
	JP 10	54.01.0020		1-P	P STIFT .63*.63, H=5.8/3.4						
	JP 11	54.11.0136		2*3p	Pin 0.63*0.63, RM2.54						
	L 1	62.02.3101		100uH	L 100 U , 10%, RAD., RM 5						
	MP 1	43.01.0108	рсе	Label	ESE-WARNSCHILD						
	MP 2	1.940.140.04	pce		NRETIKETTE 5 * 20						
	MP 3		•		OPTICAL SYNCHRONOUS PCB /II						
		1.940.140.11	pce								
	MP 4	24.16.1030	pce		RIPPENSCHEIBE D 3.2/5.5						
	MP 5	24.16.1030	pce		RIPPENSCHEIBE D 3.2/5.5						
	MP 6	21.53.0354	pce		Z - SCHR. IS , ZN , M 3 * 6						
	MP 7										
		21.53.0354	pce		Z - SCHR. IS , ZN , M 3 * 6						
	MP 8	1.010.014.22	pce	3*4.5	NIETMUTTER SW 6 M 3 *4,5						
	MP 9	1.010.014.22	pce	3*4.5	NIETMUTTER SW 6 M 3 *4,5						
	MP 10	1.940.140.01	рсе		PRINTHALTER						
	WII TO										
	P 1	54.14.2103		20-P	P STECKER 20 P,AU,VR,GERADE						